



Fig.1

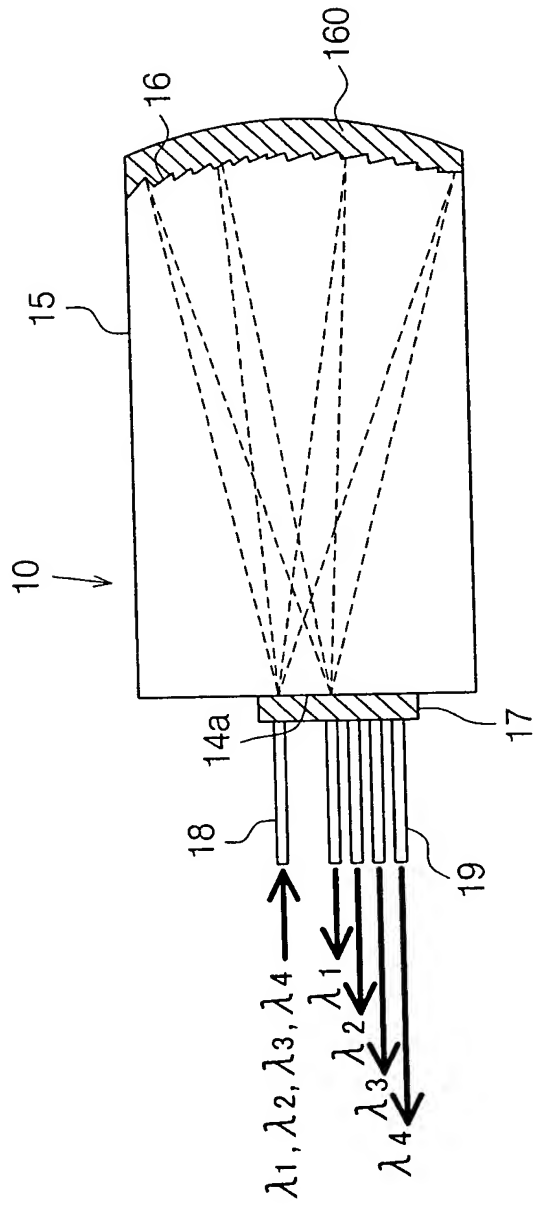
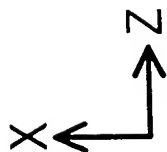


Fig.2

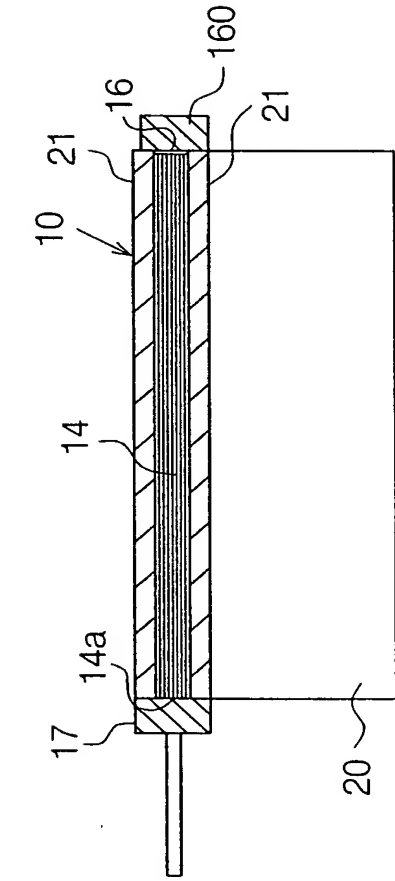


Fig. 3

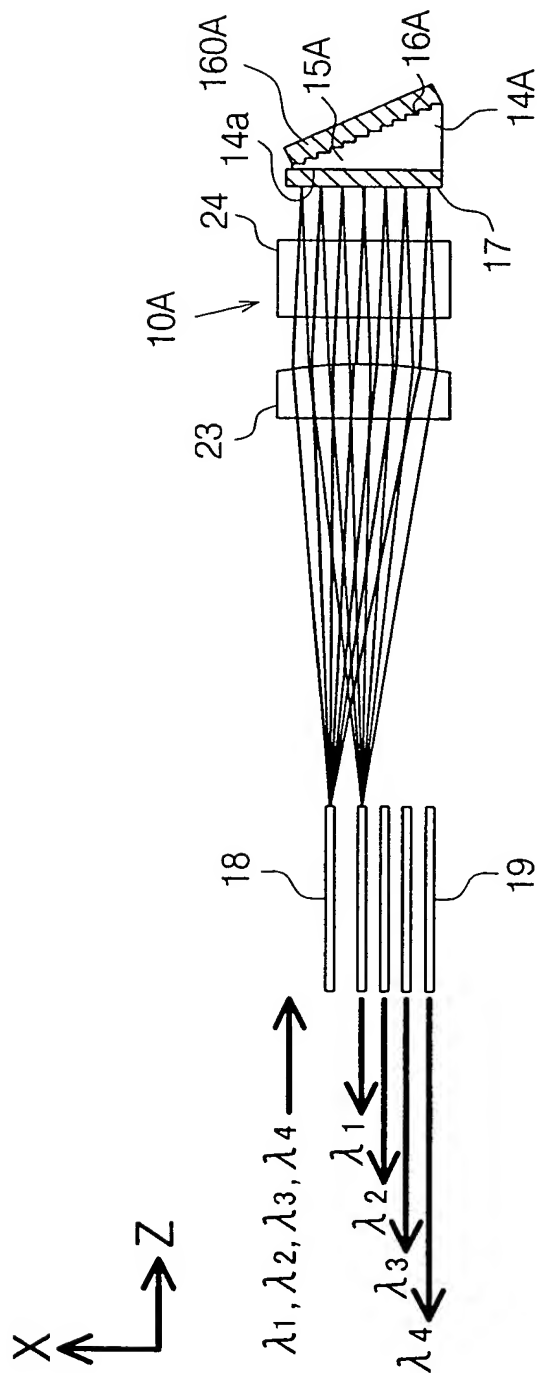


Fig.4

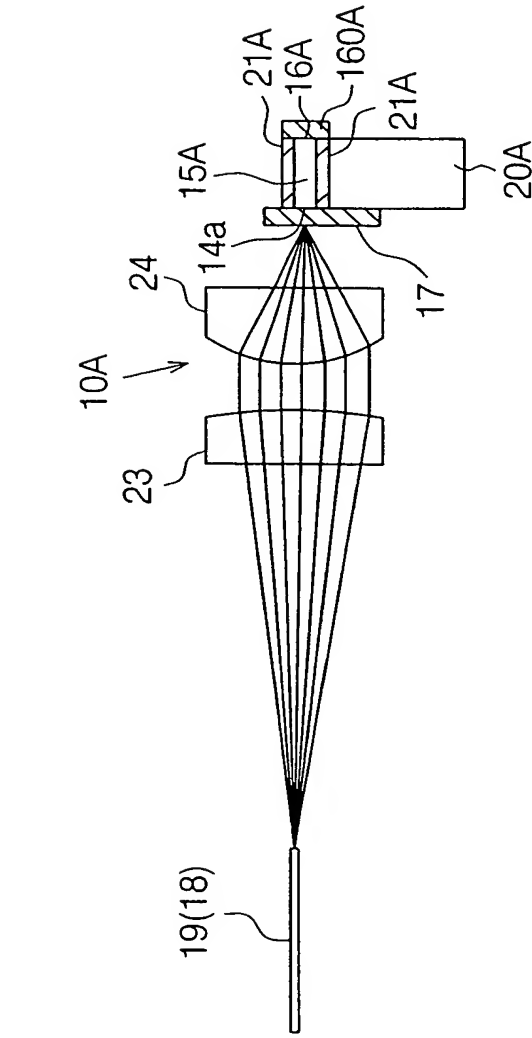


Fig. 5

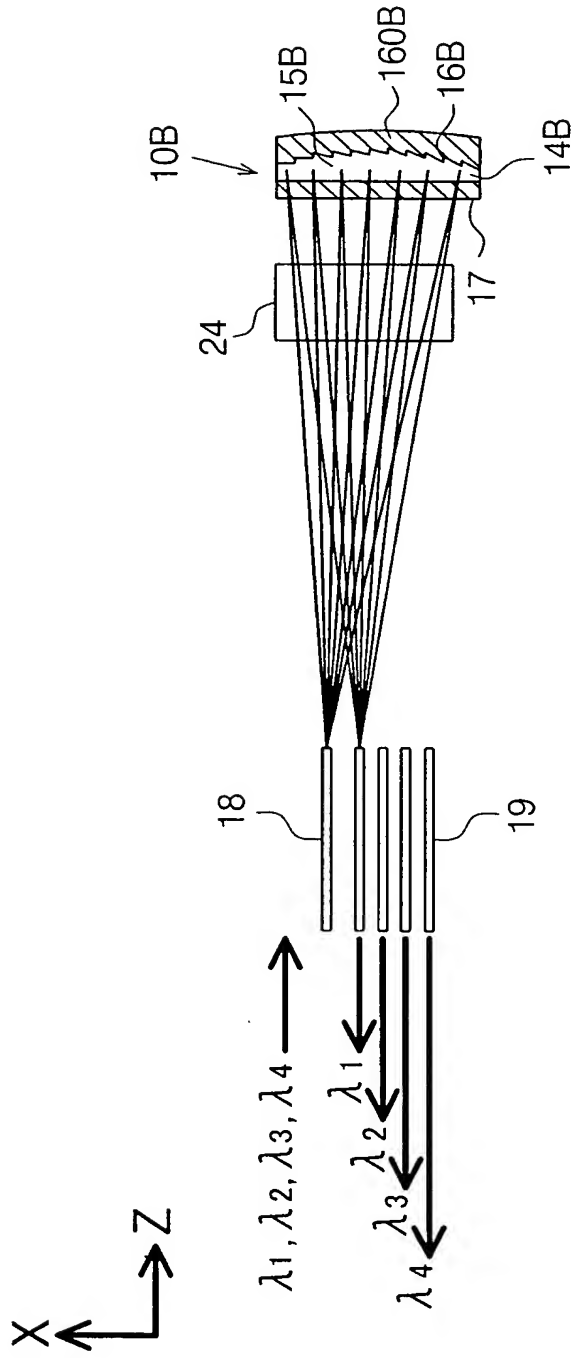


Fig.6

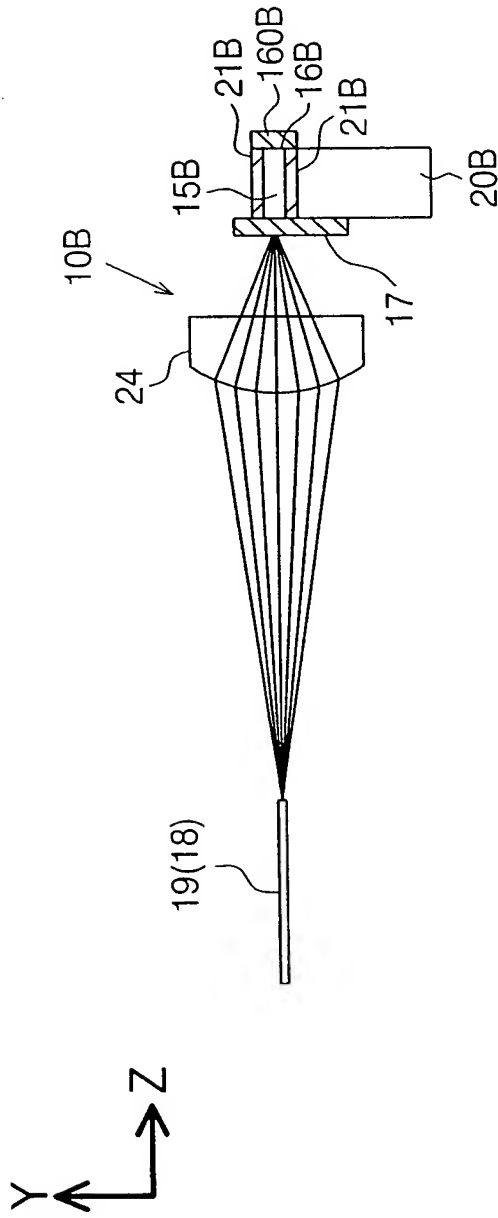


Fig. 7

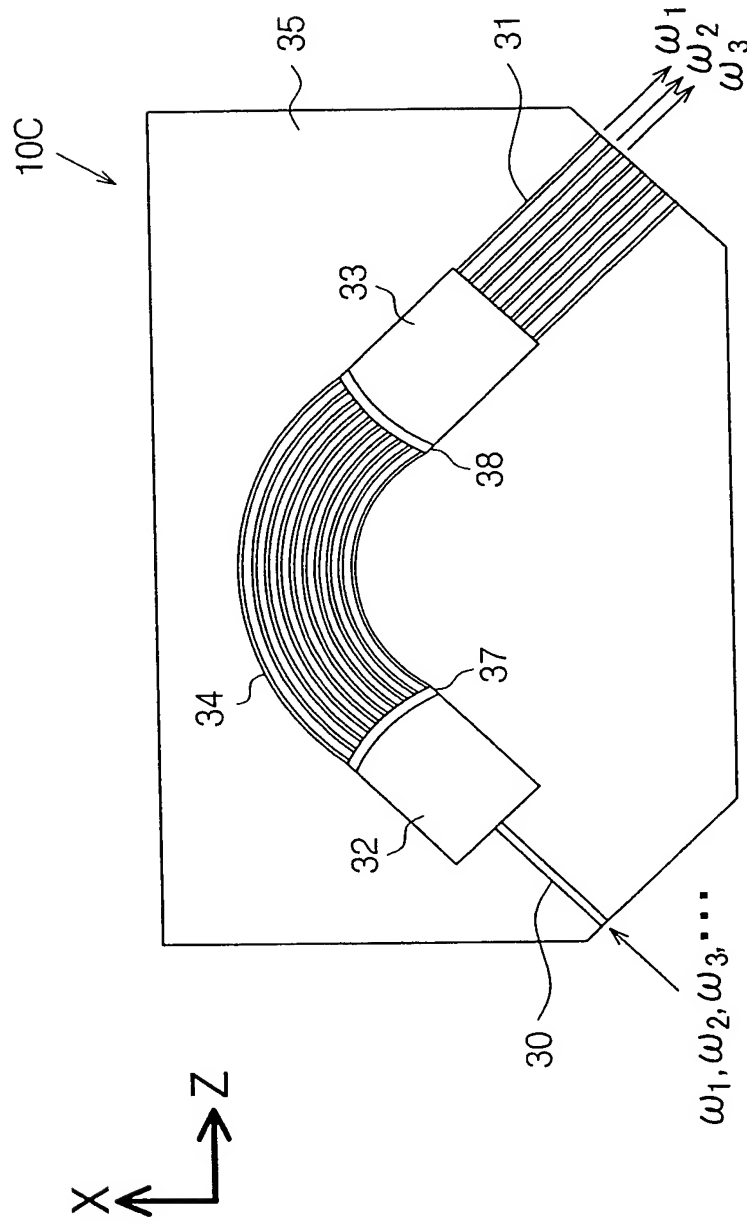




Fig. 9

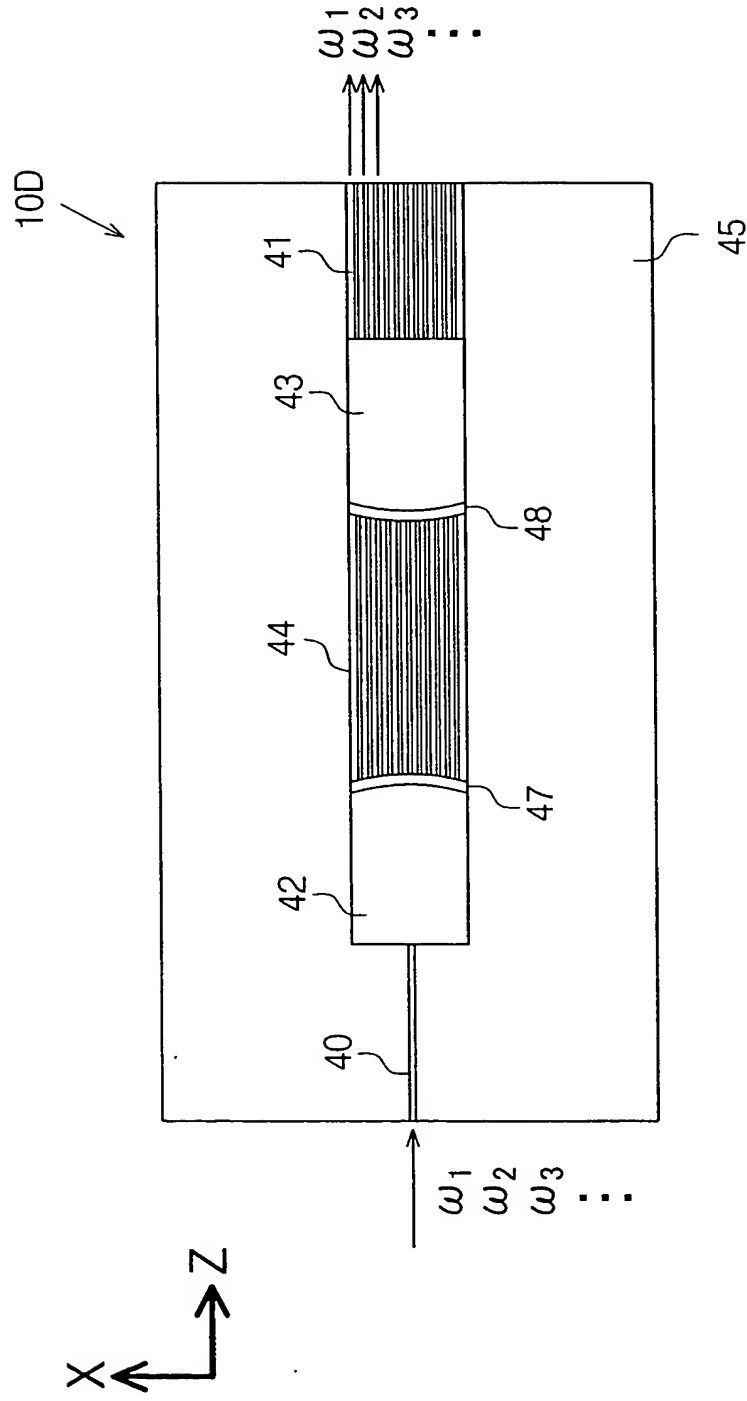


Fig.10

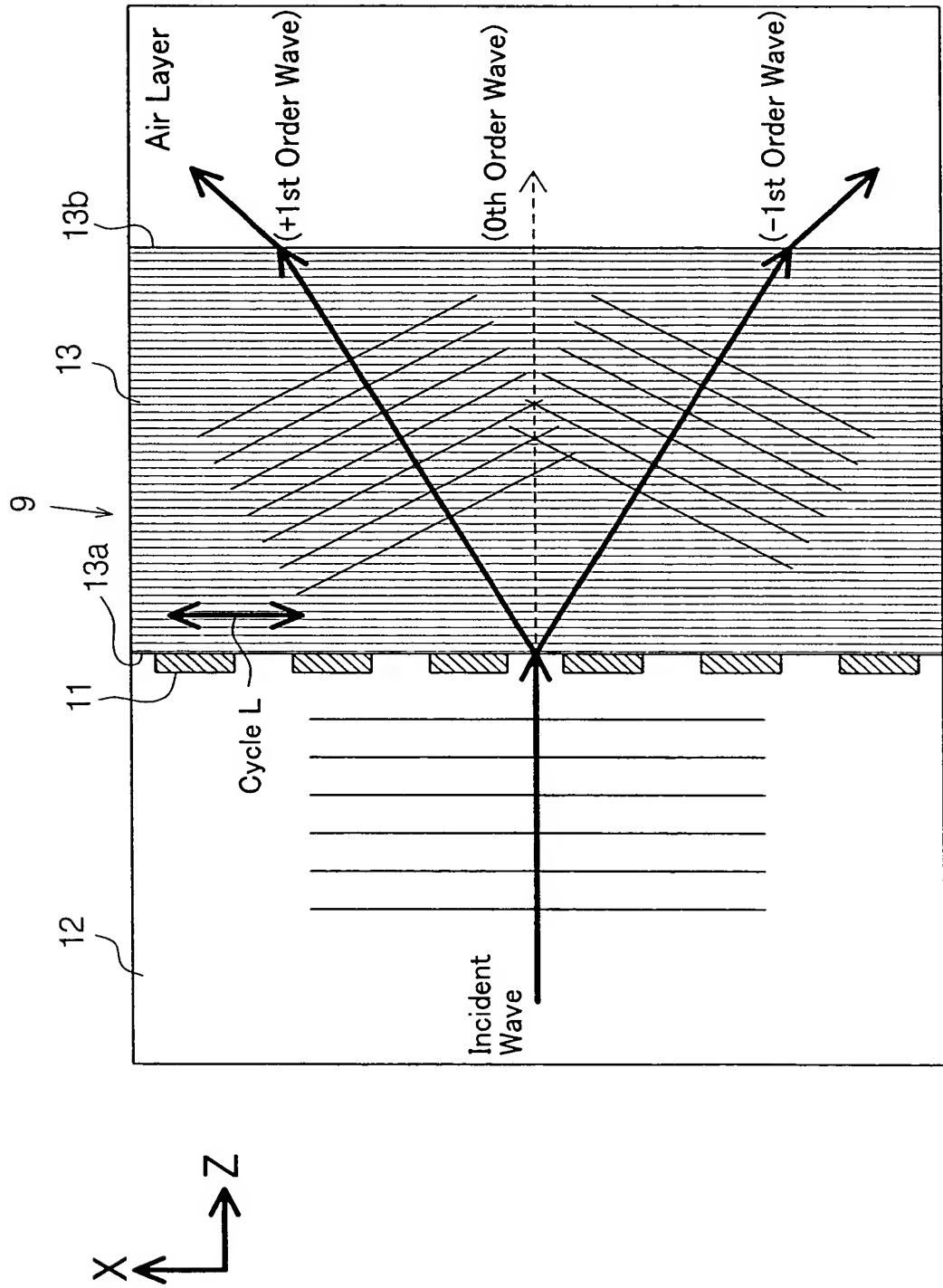


Fig. 11

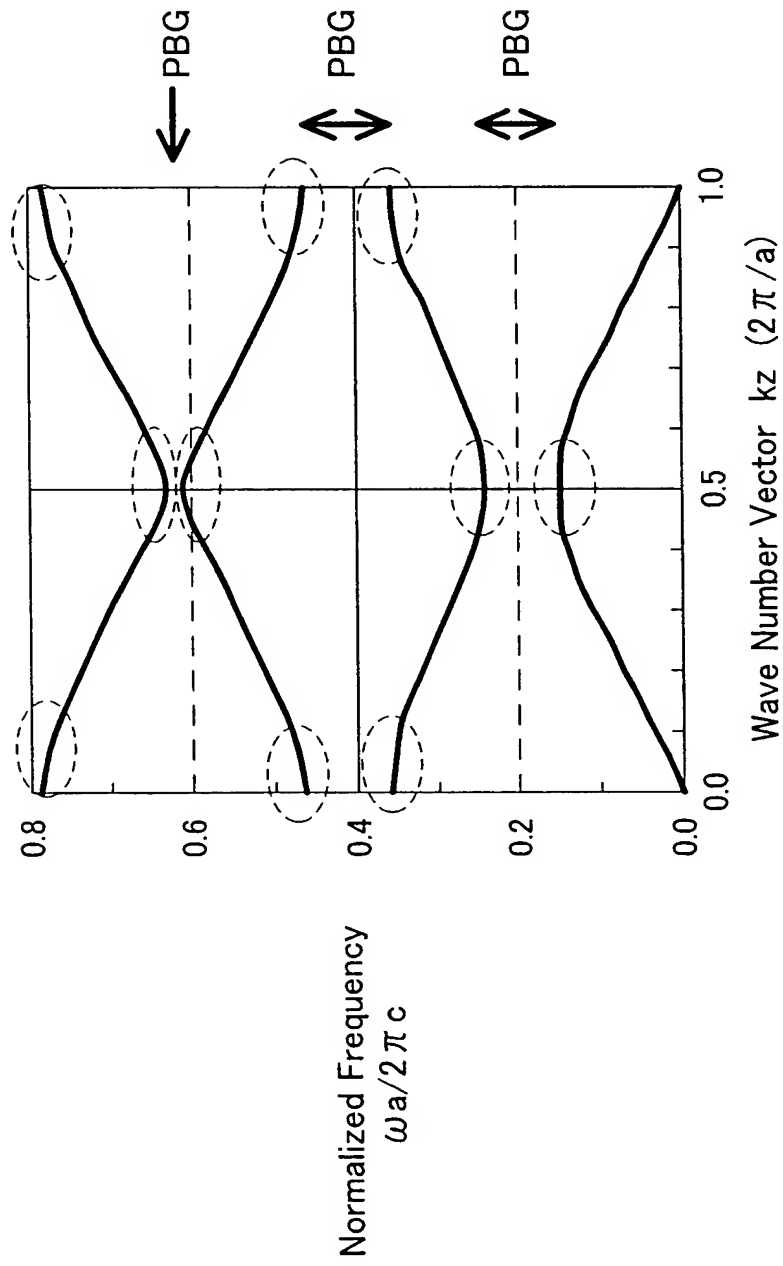


Fig.12

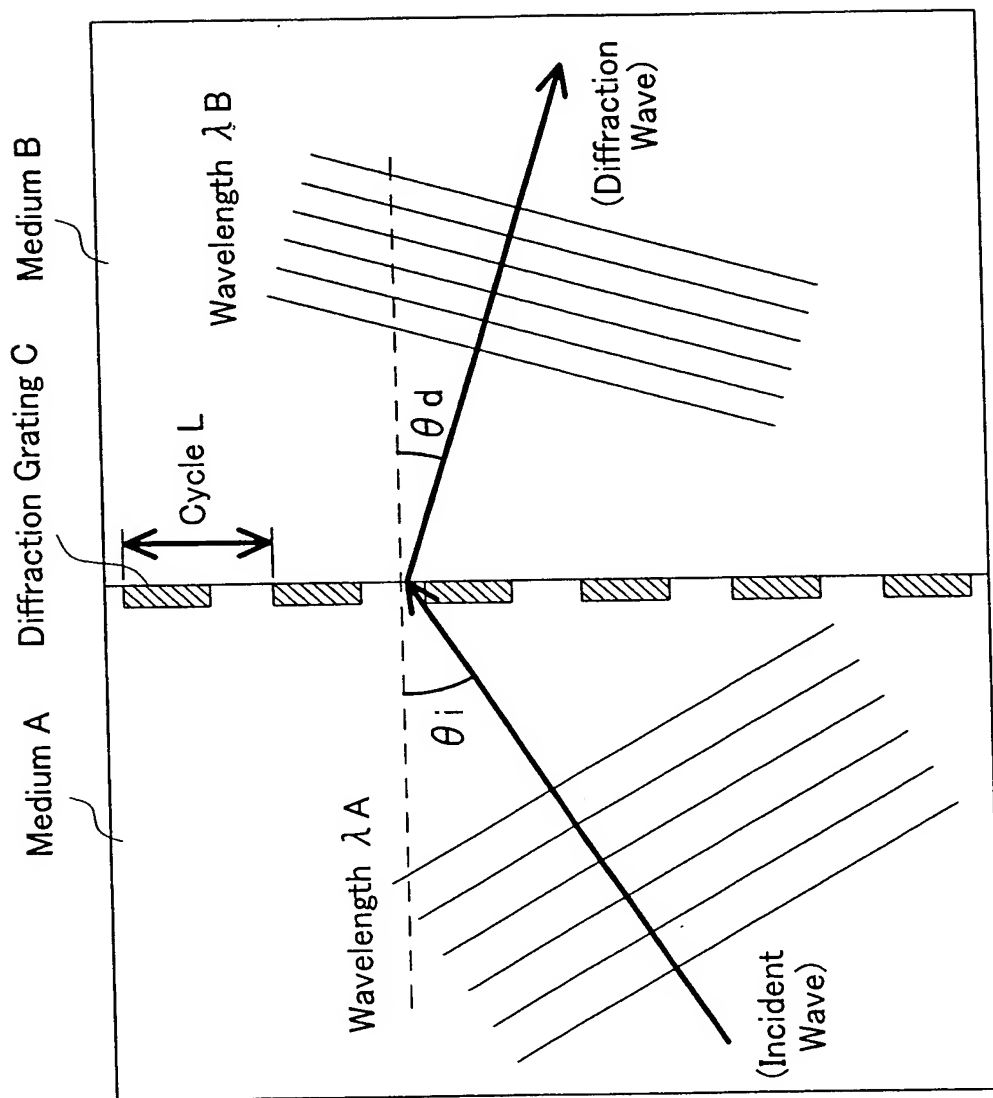


Fig. 13

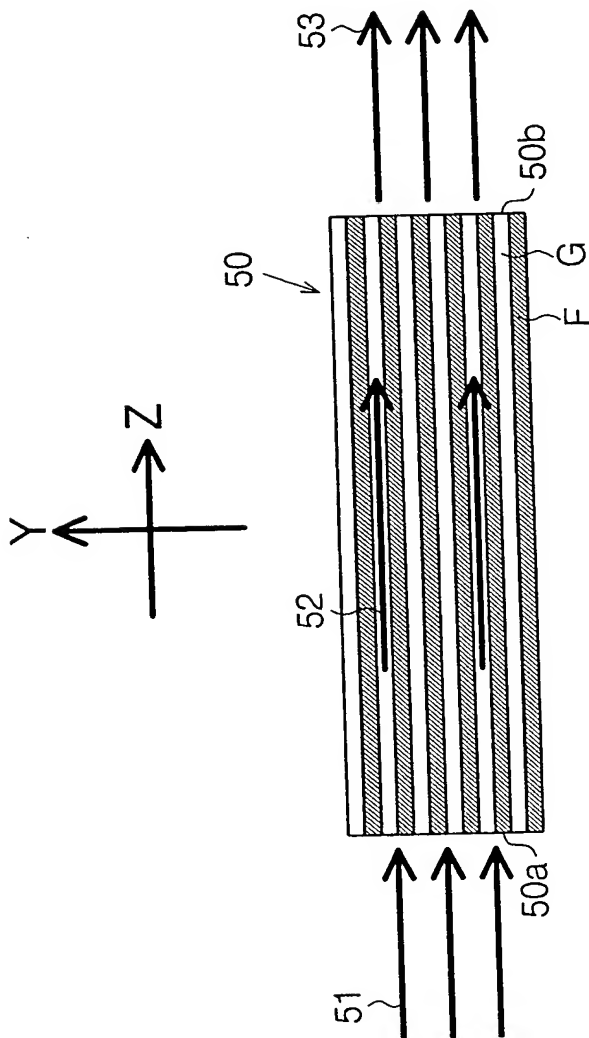


Fig. 14

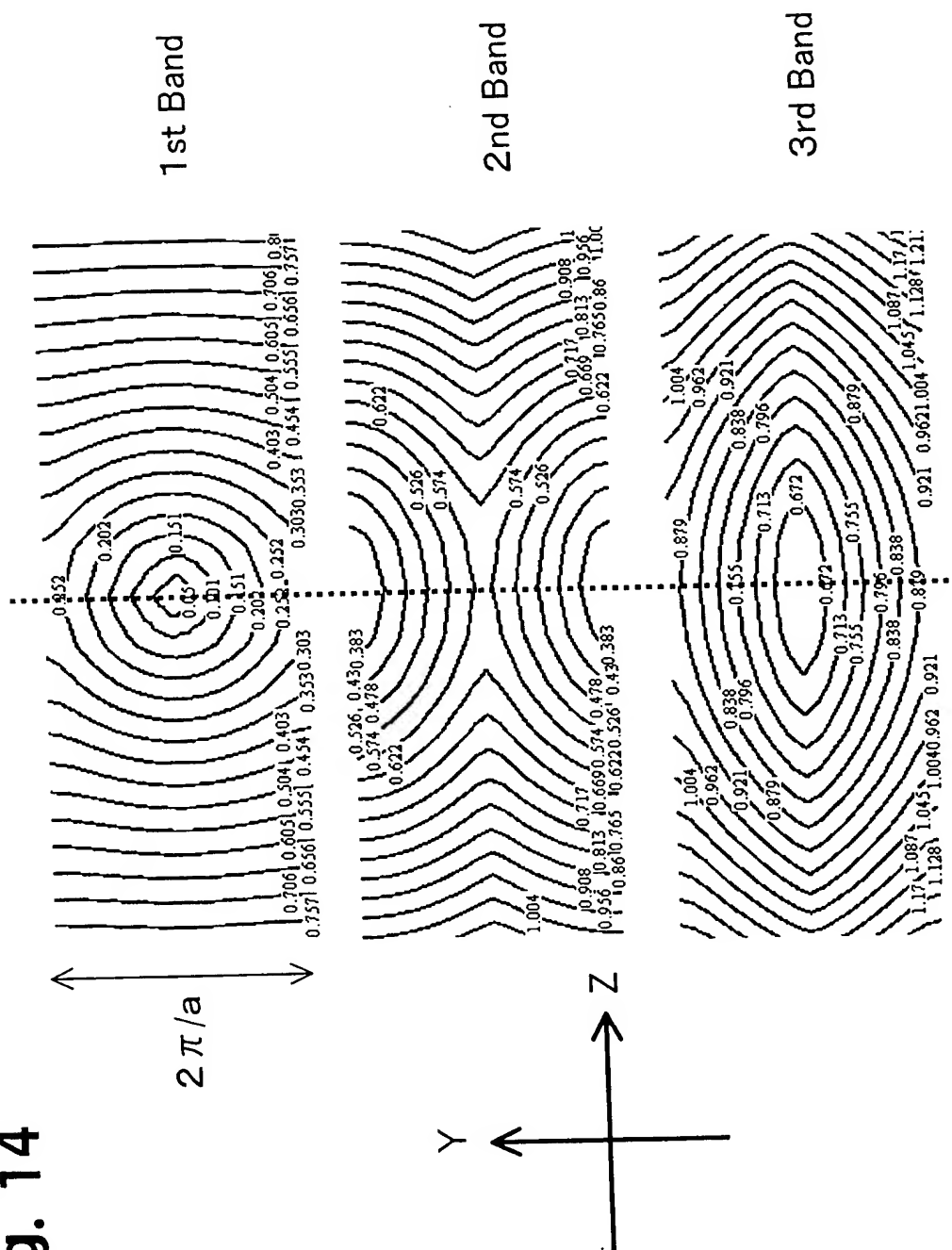


Fig. 15

Circle having radius of $n \cdot (a/\lambda_0)$
(Unit is $2\pi/a$)

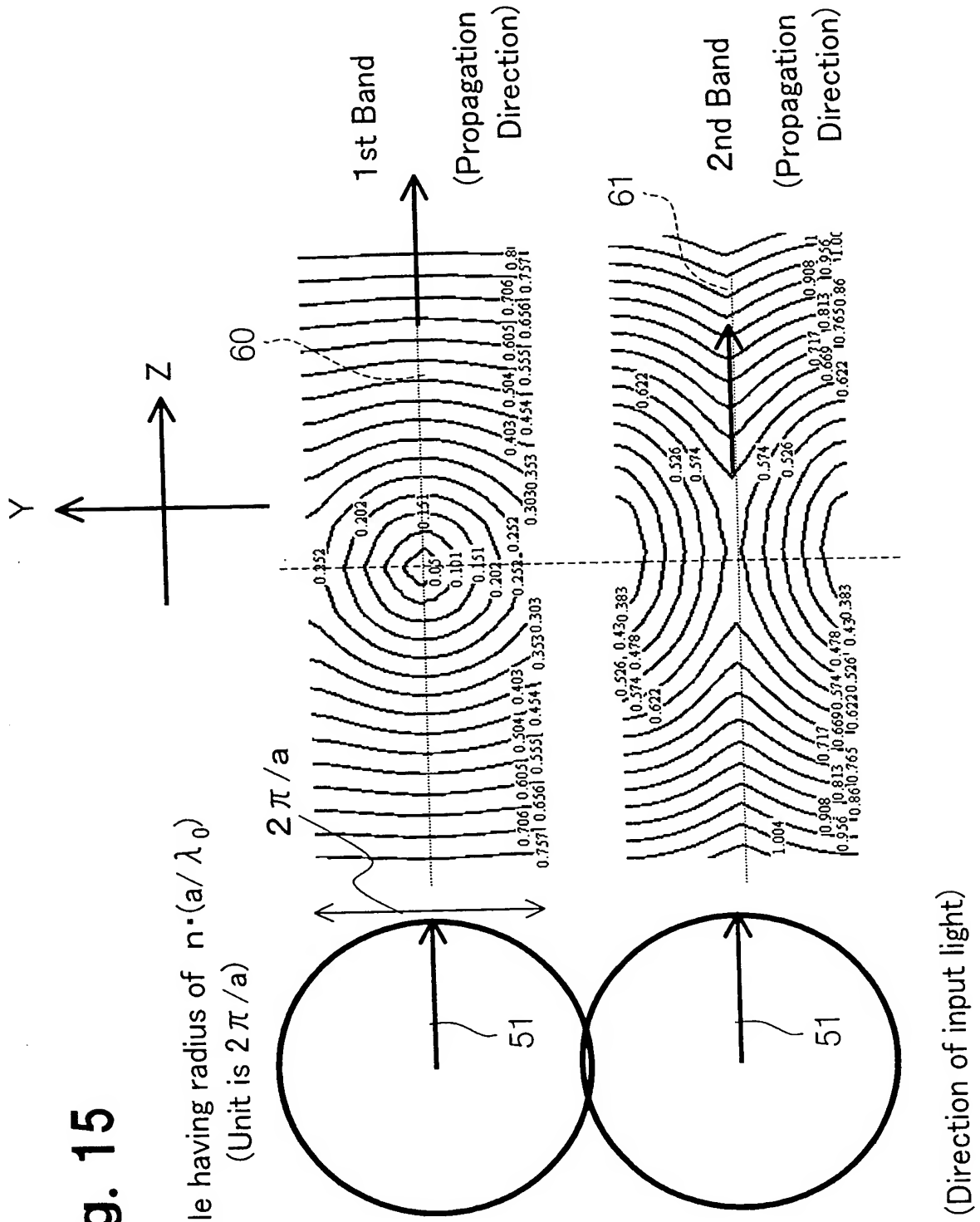


Fig.16

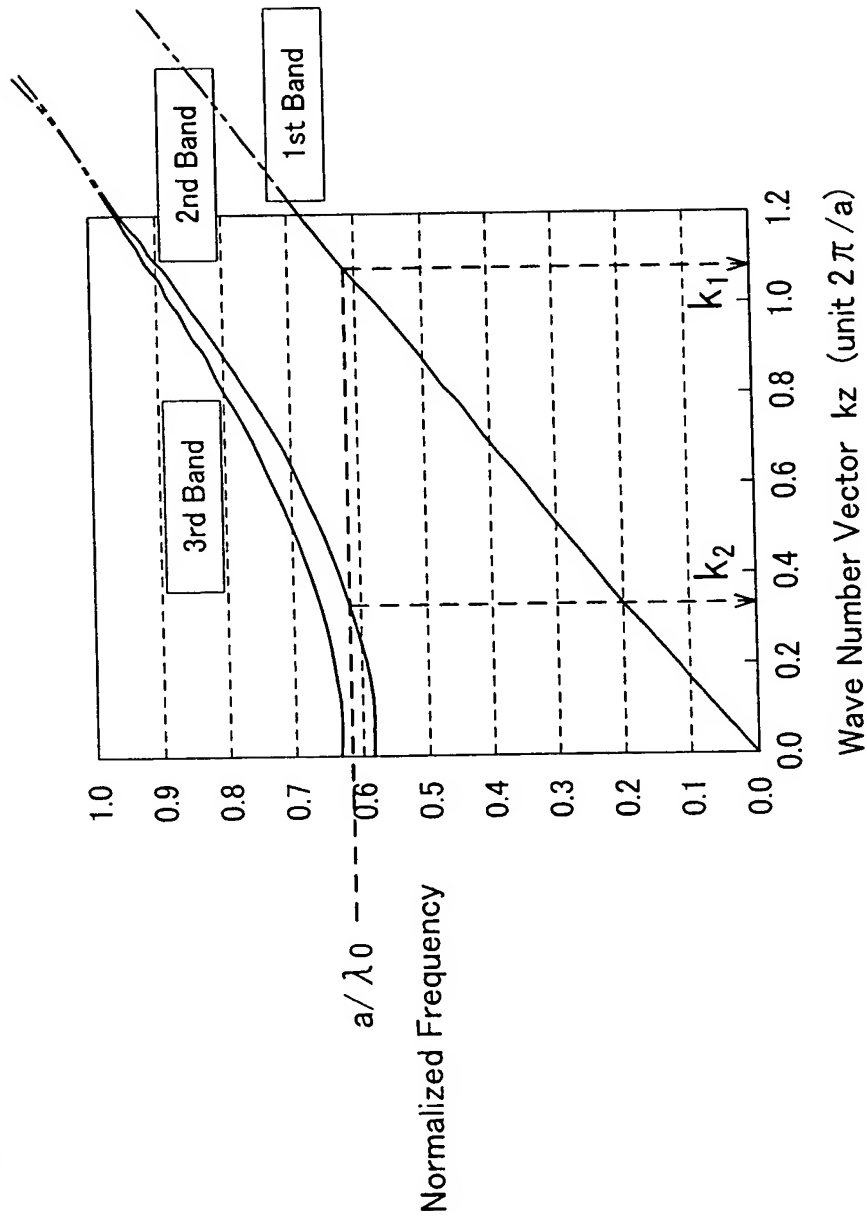
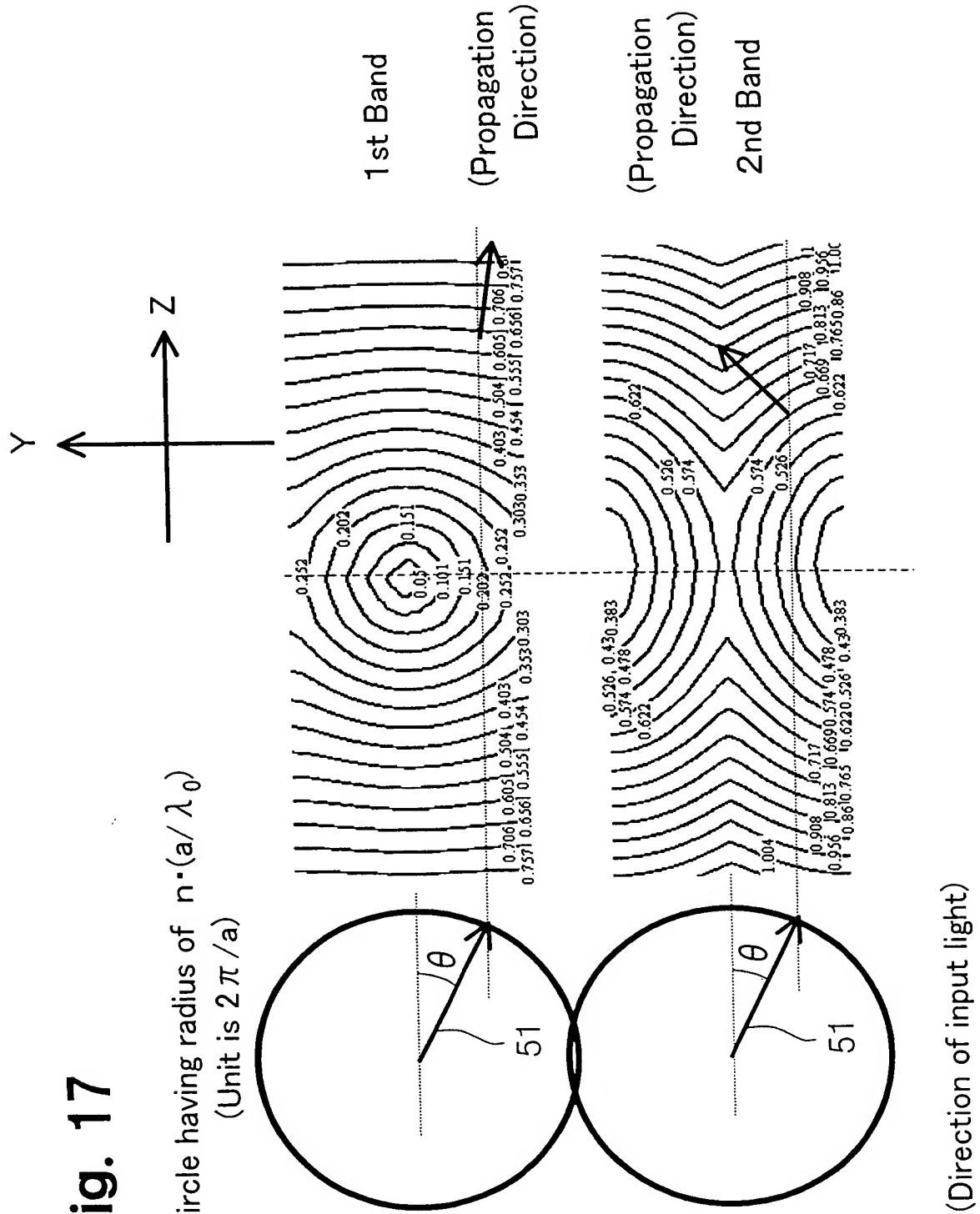


Fig. 17

Circle having radius of $n \cdot (a / \lambda_0)$
 (Unit is $2\pi / a$)



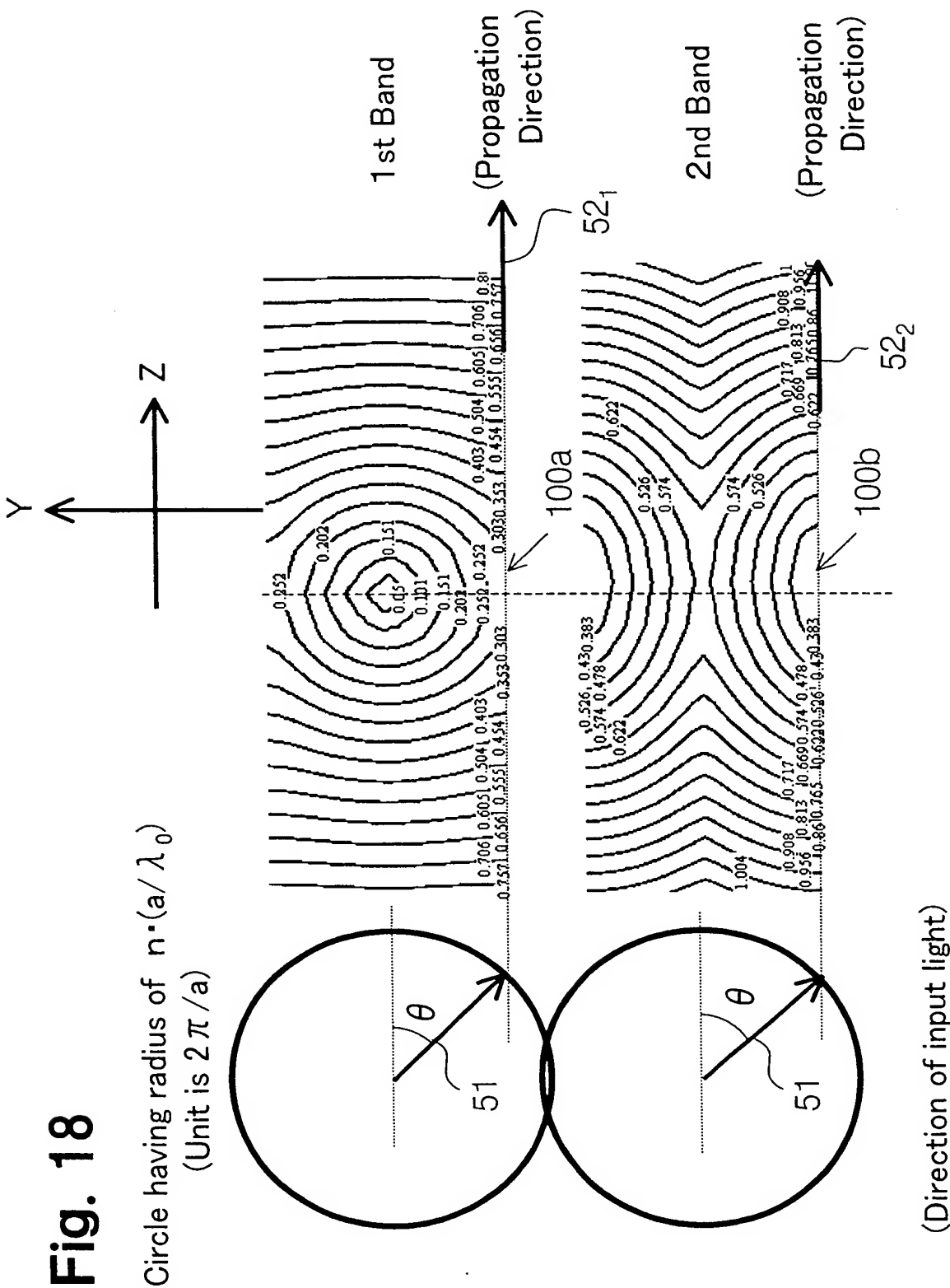


Fig.19

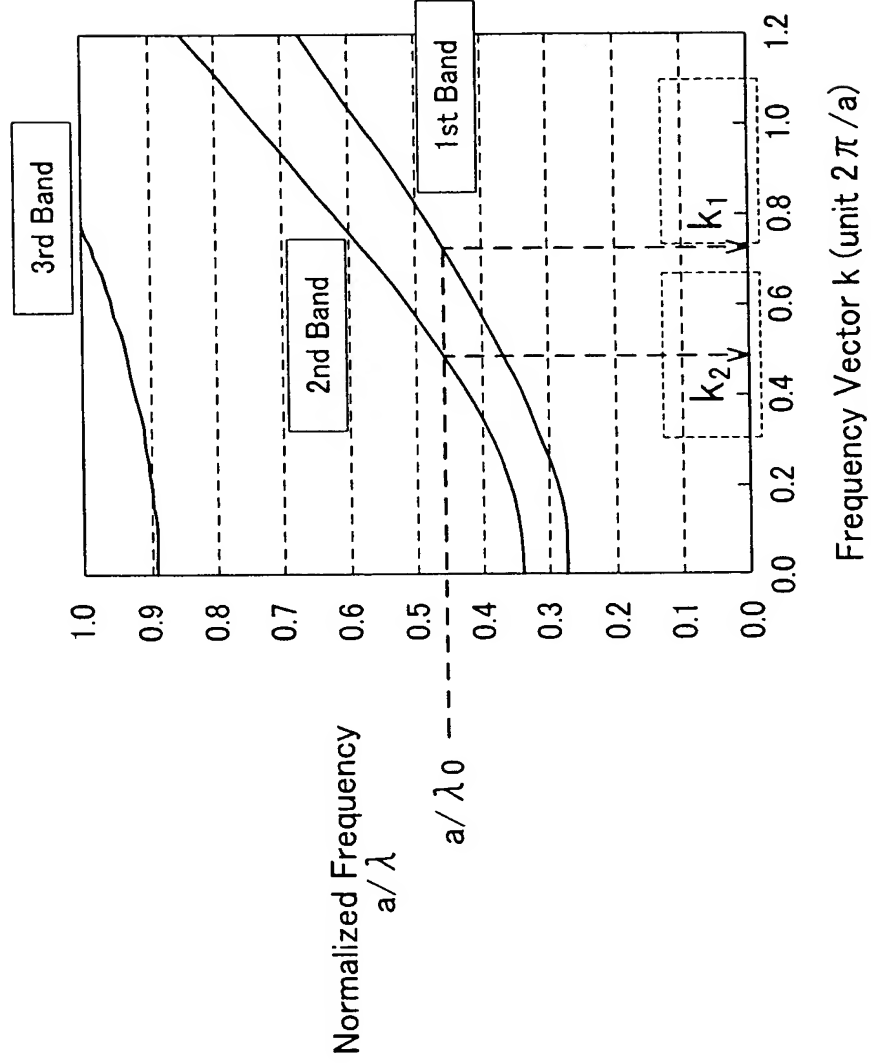


Fig.20

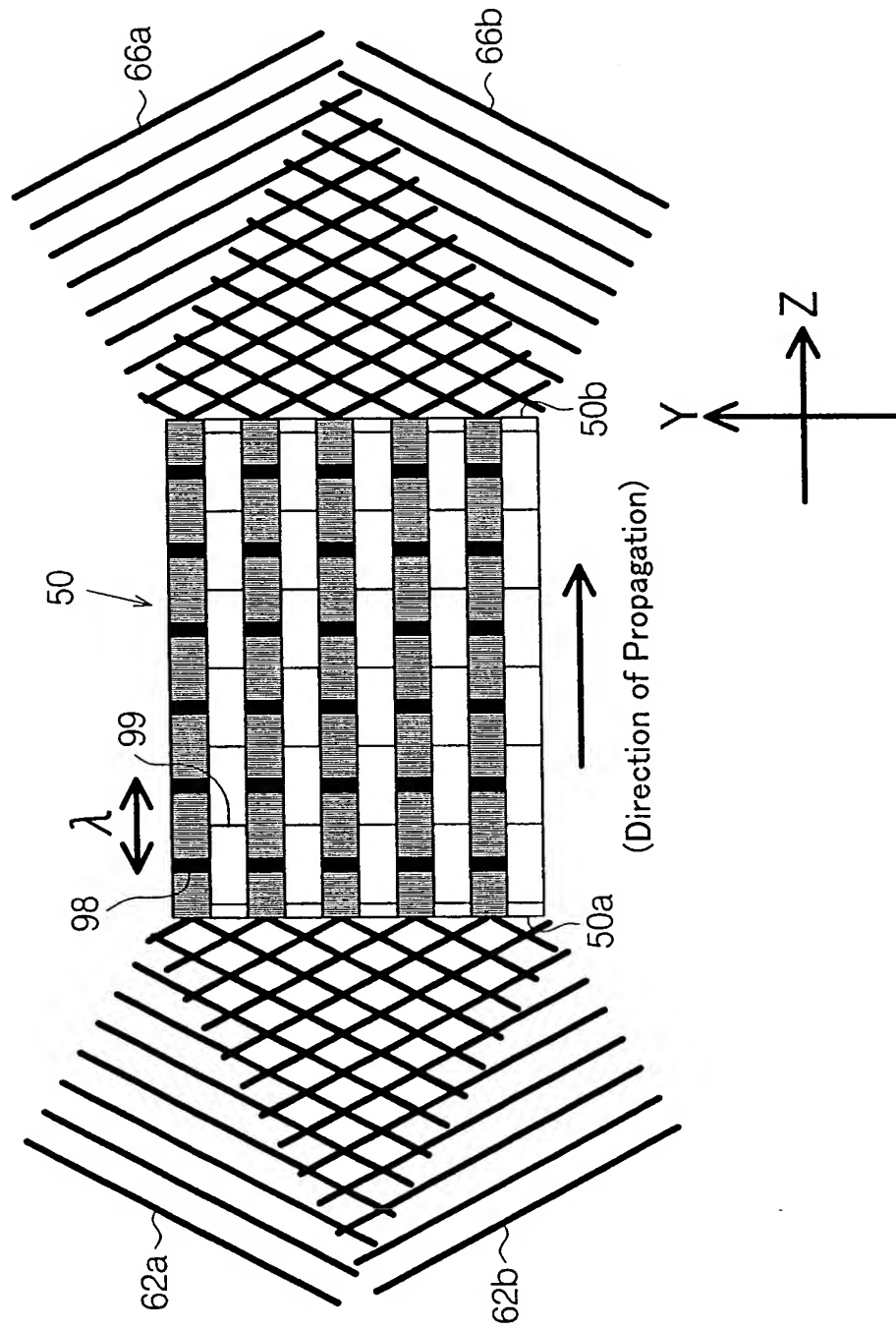


Fig. 21

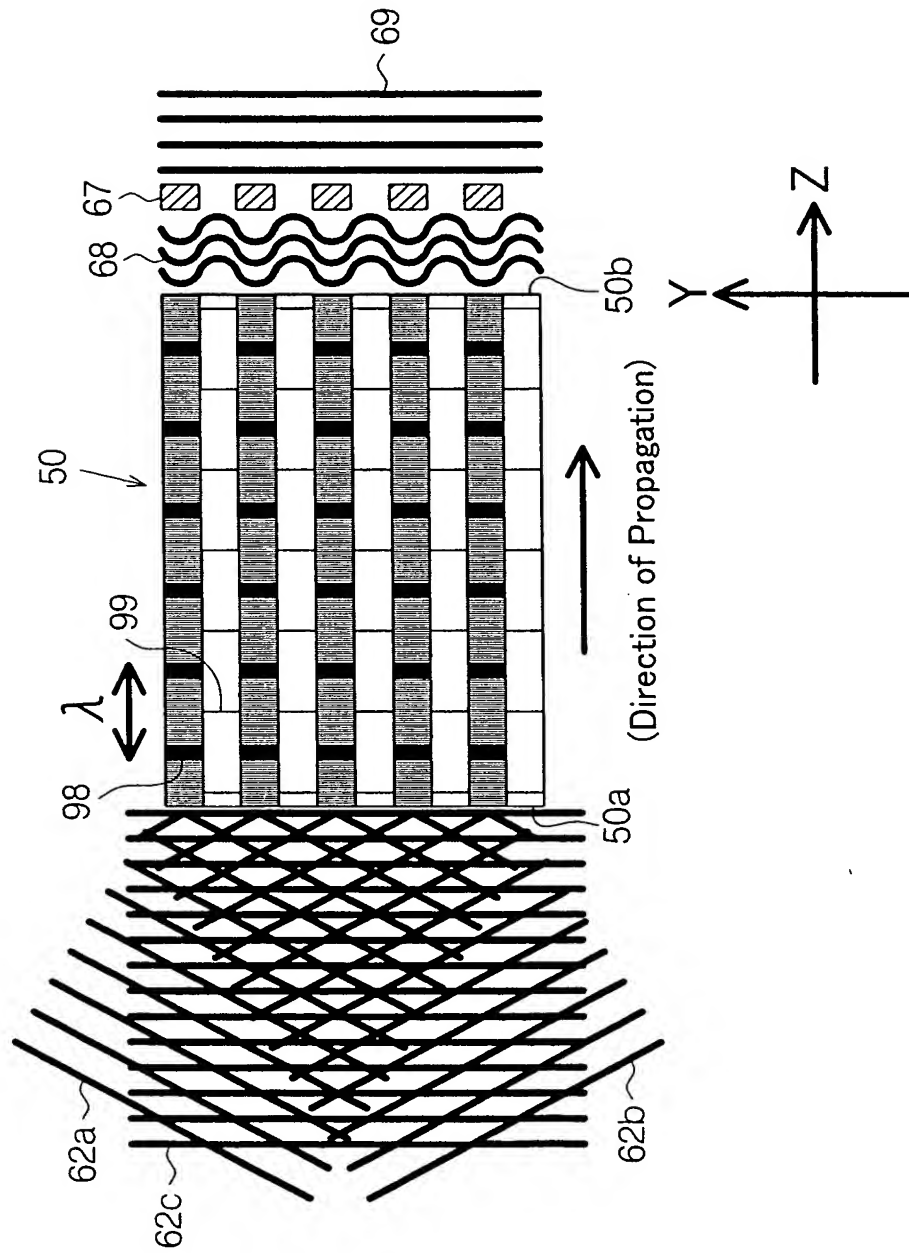


Fig.22

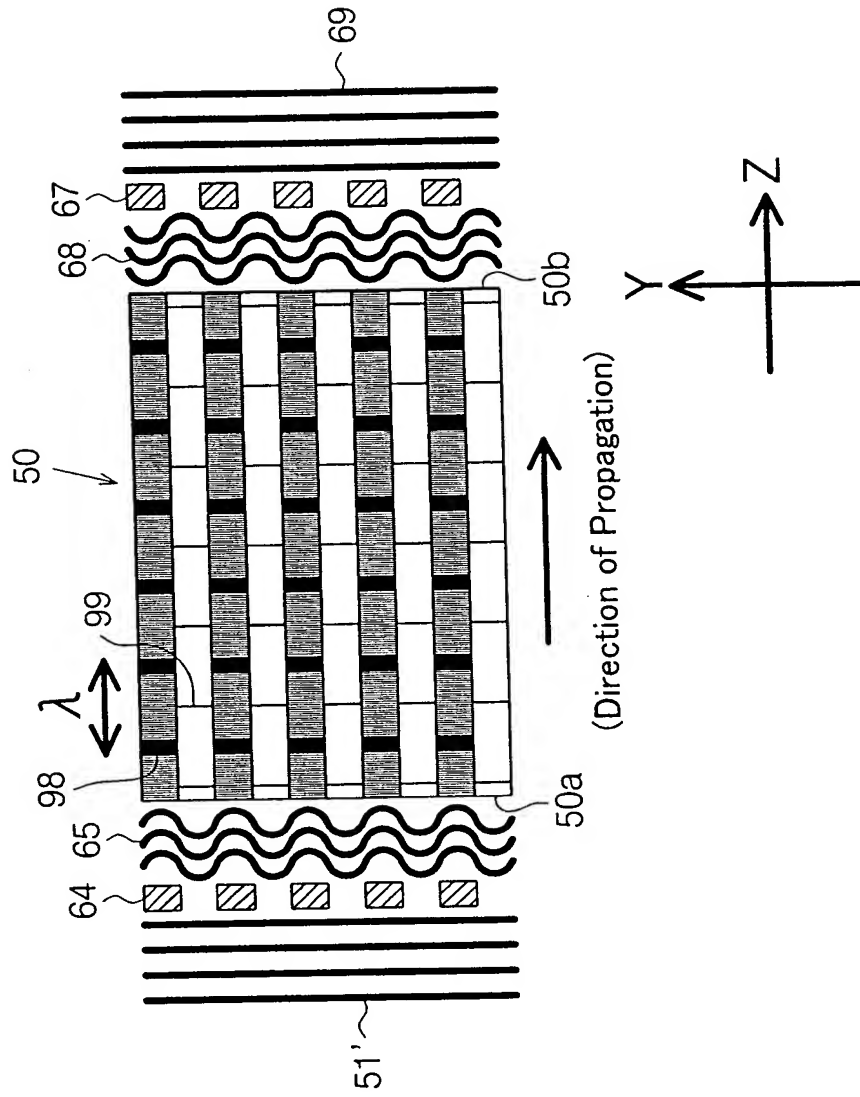


Fig.23

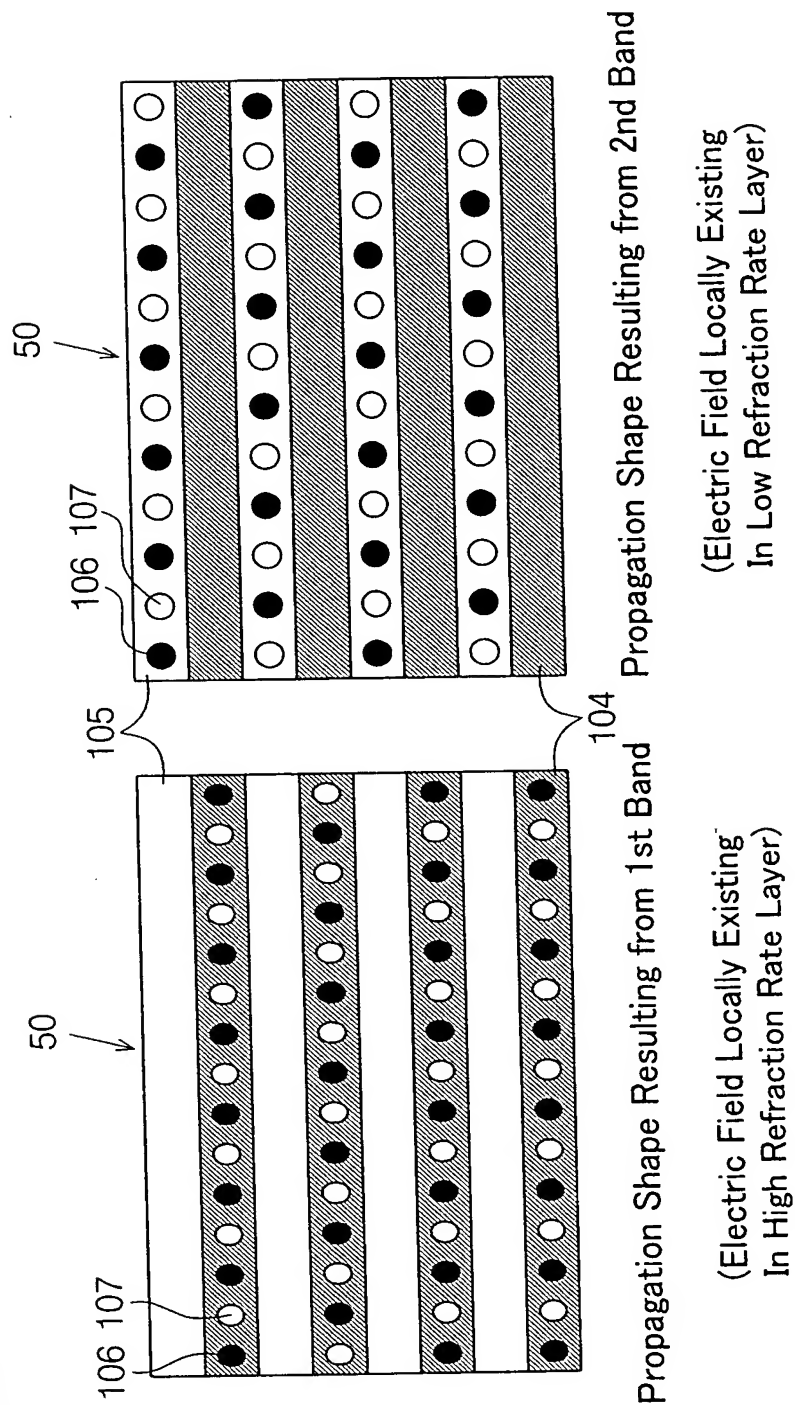
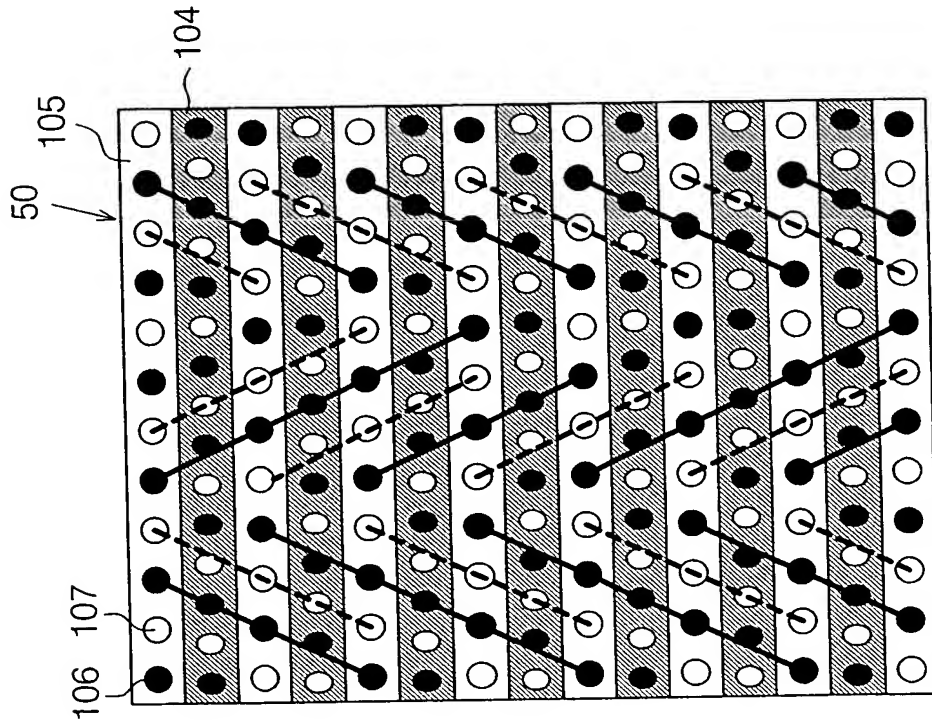
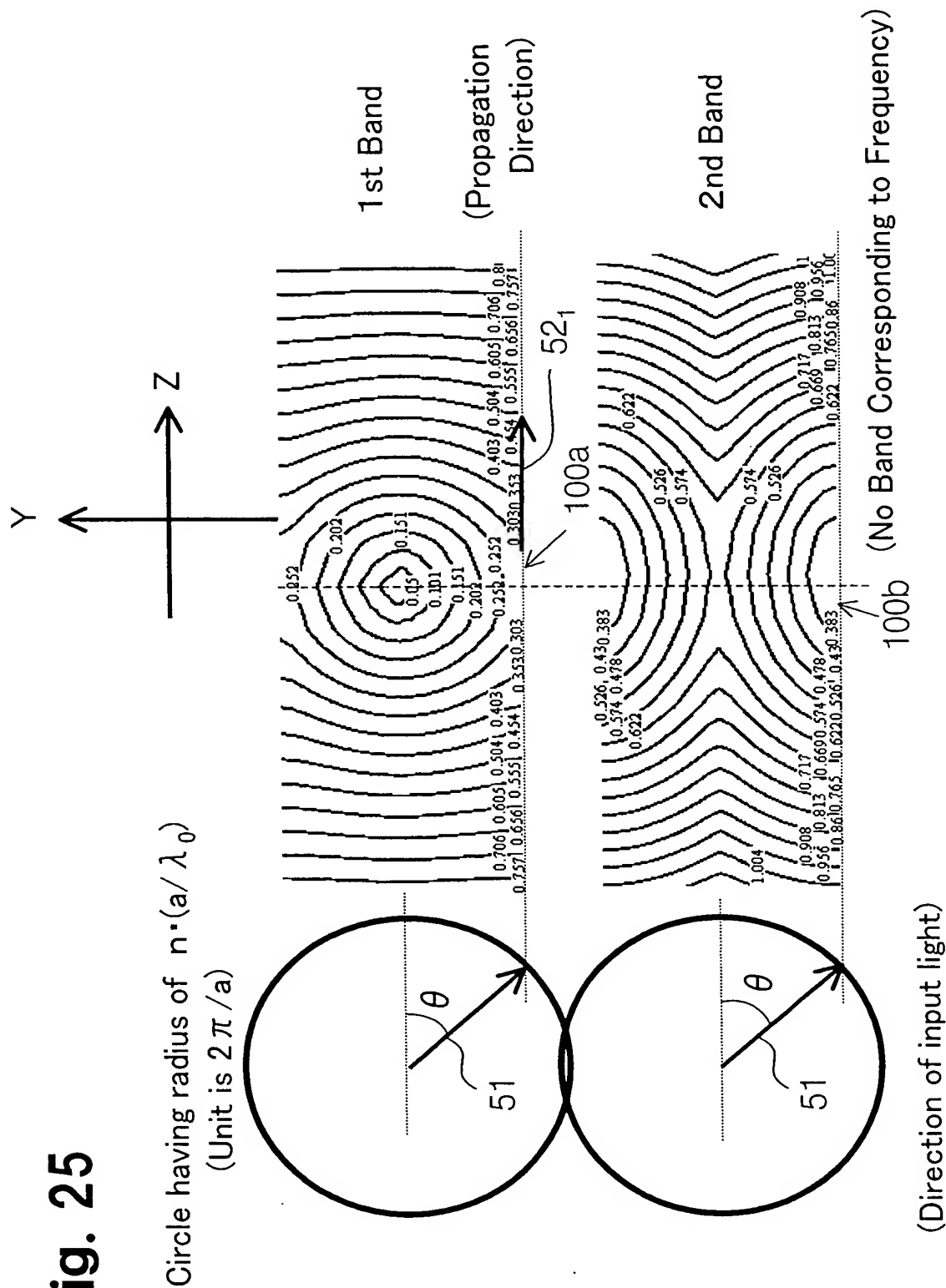


Fig. 24



Propagation Shape Resulting from 1st and 2nd Bands

Fig. 25



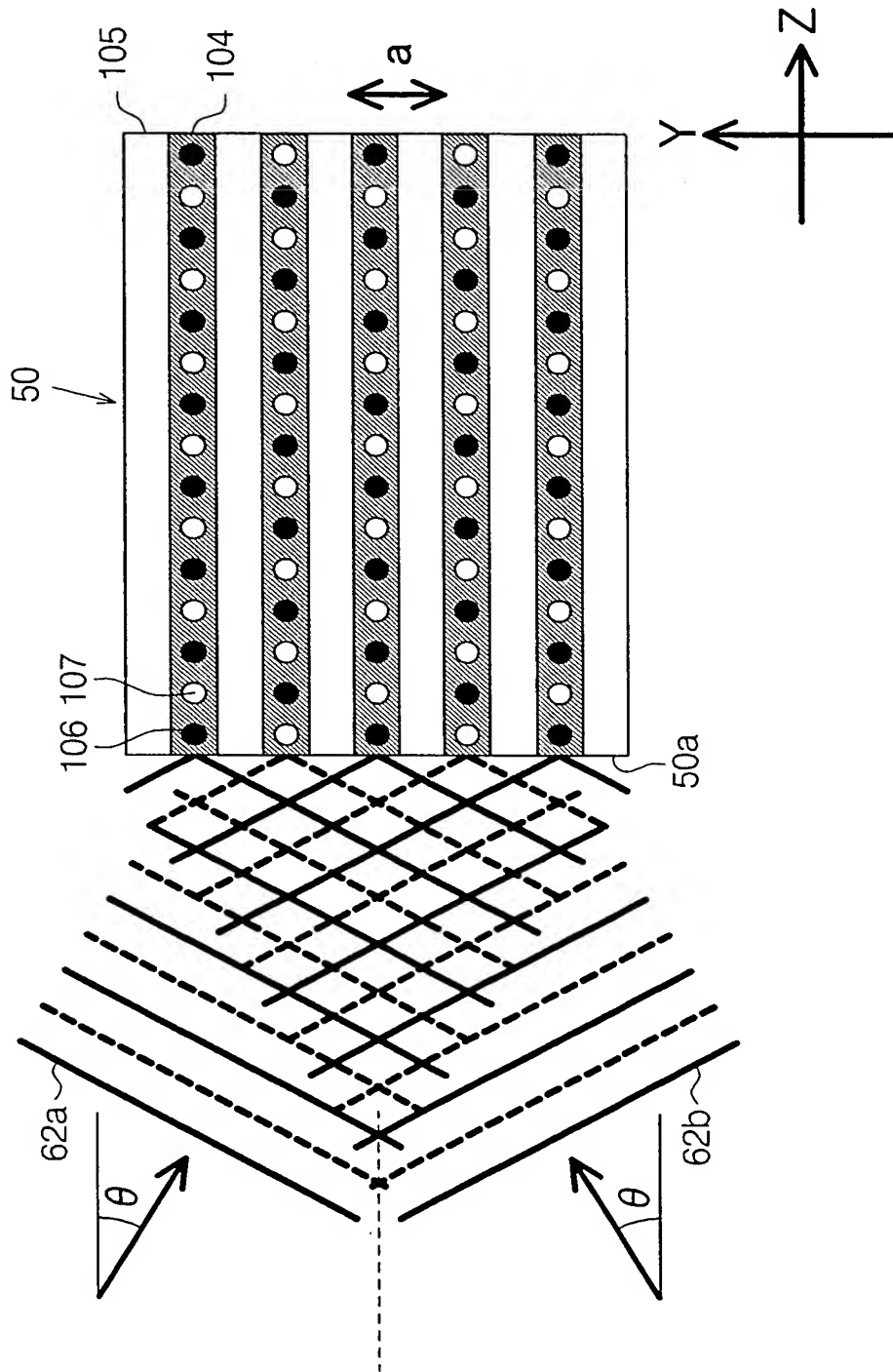
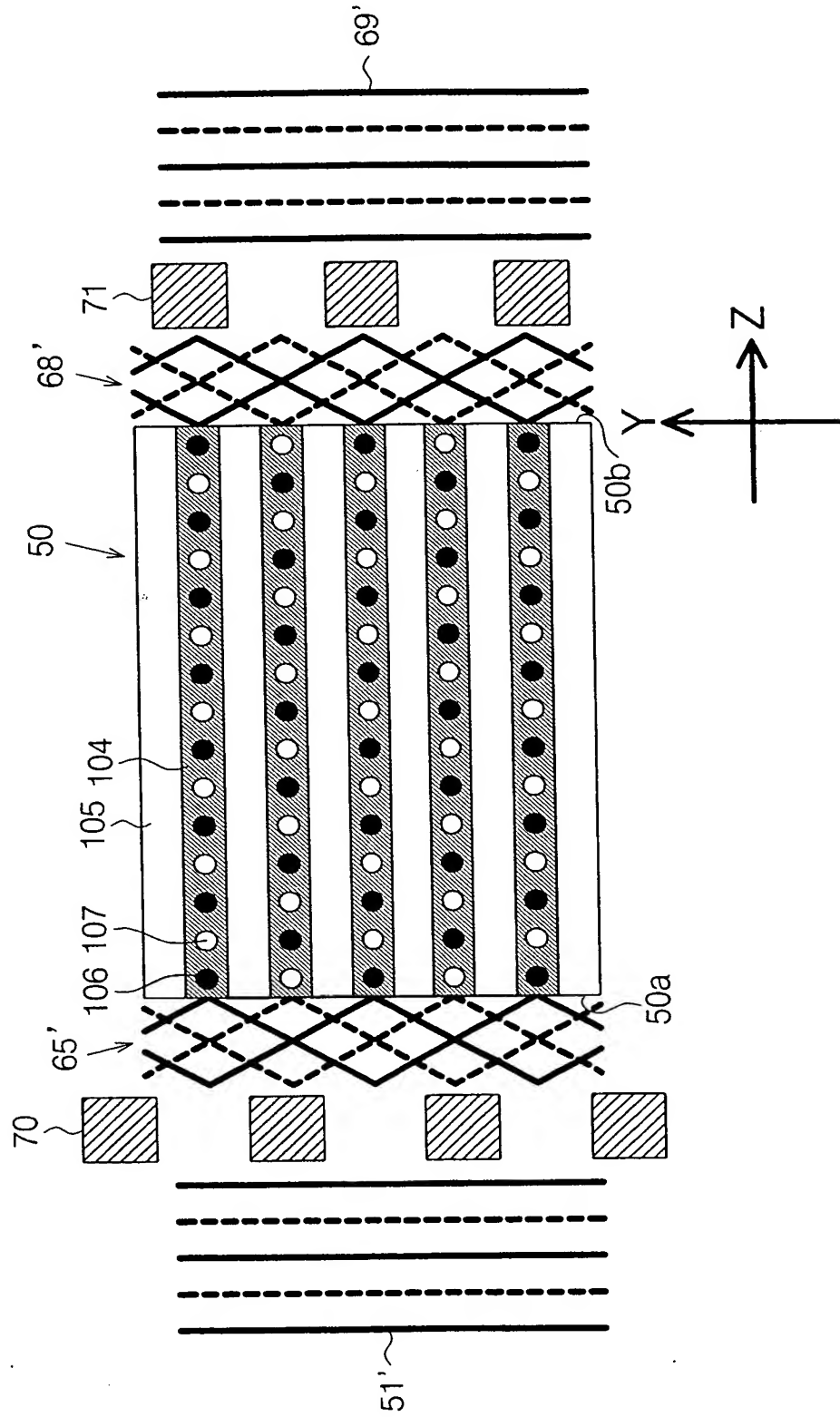


Fig. 26

Fig.27



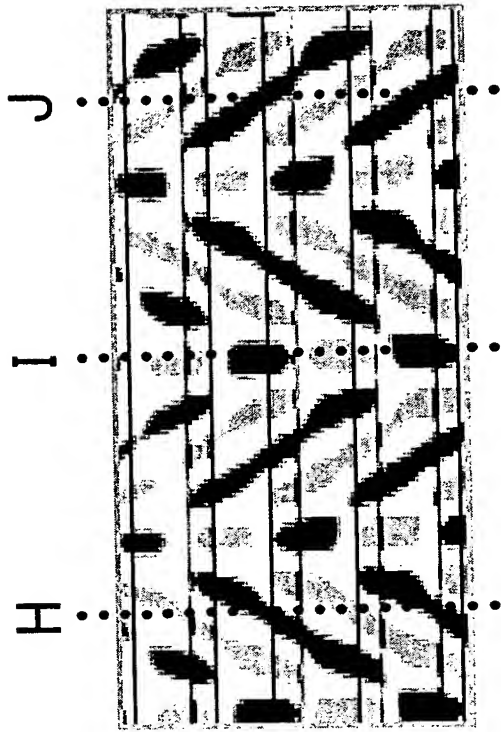
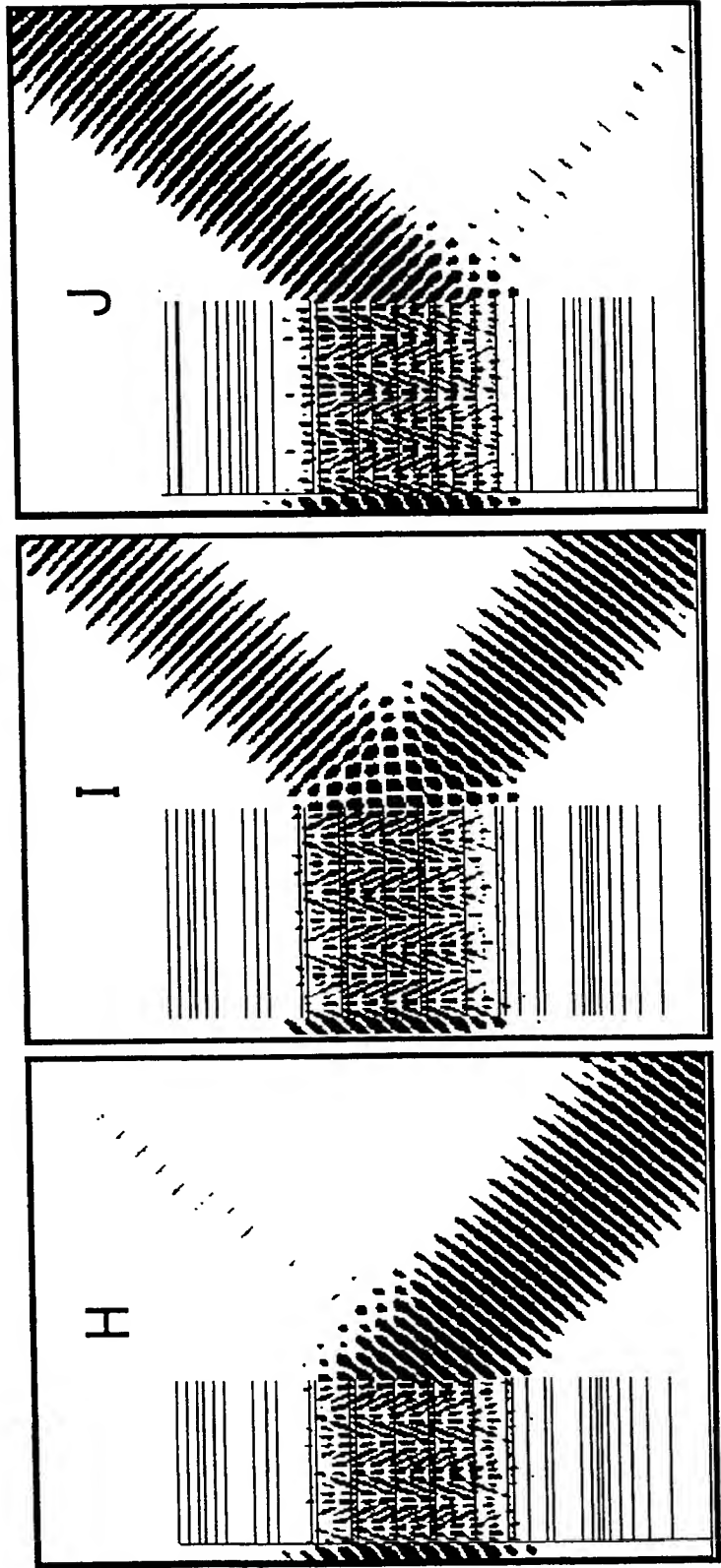
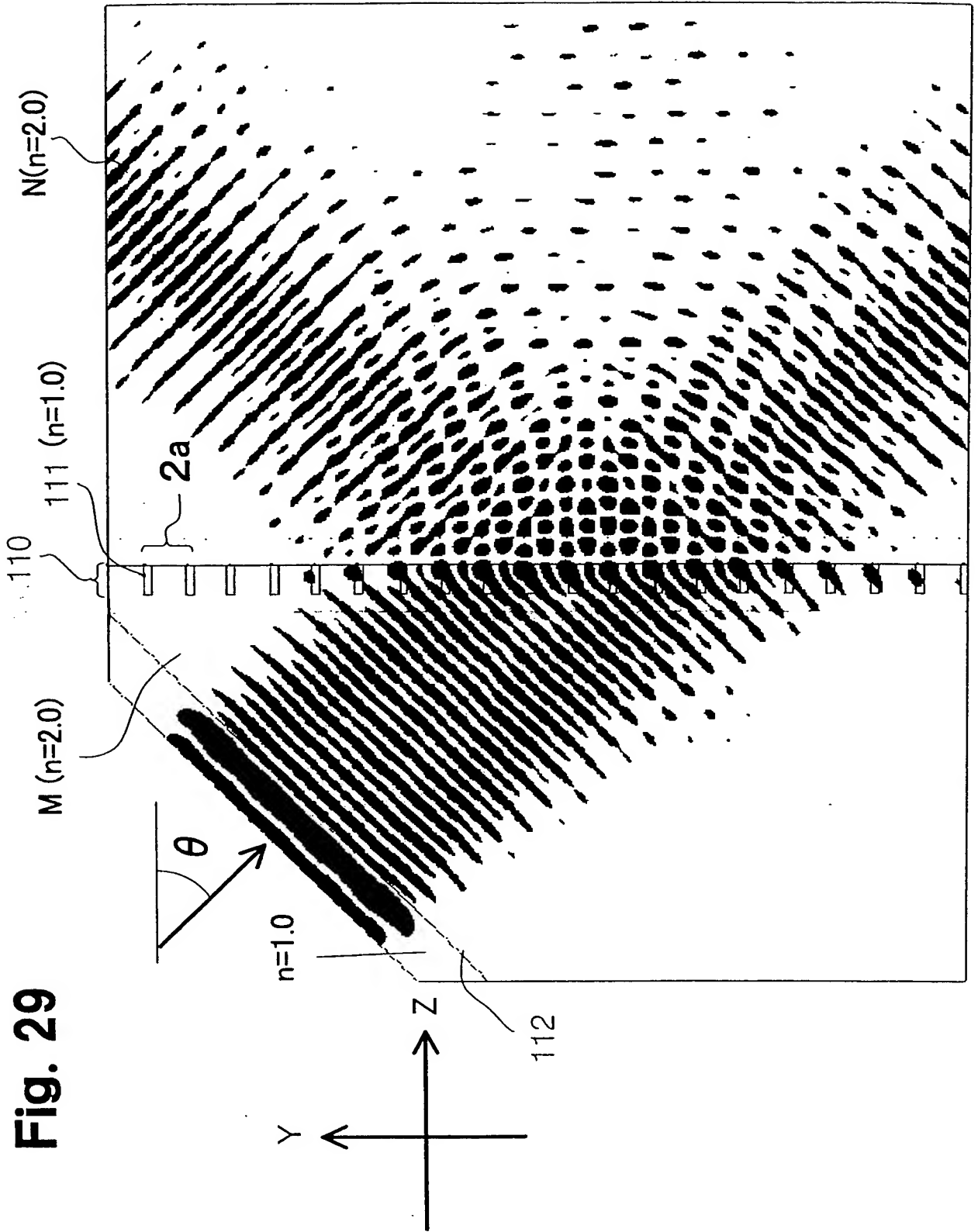


Fig. 28

Output light intensity depending on
position of ridges and valley shape on
end surface





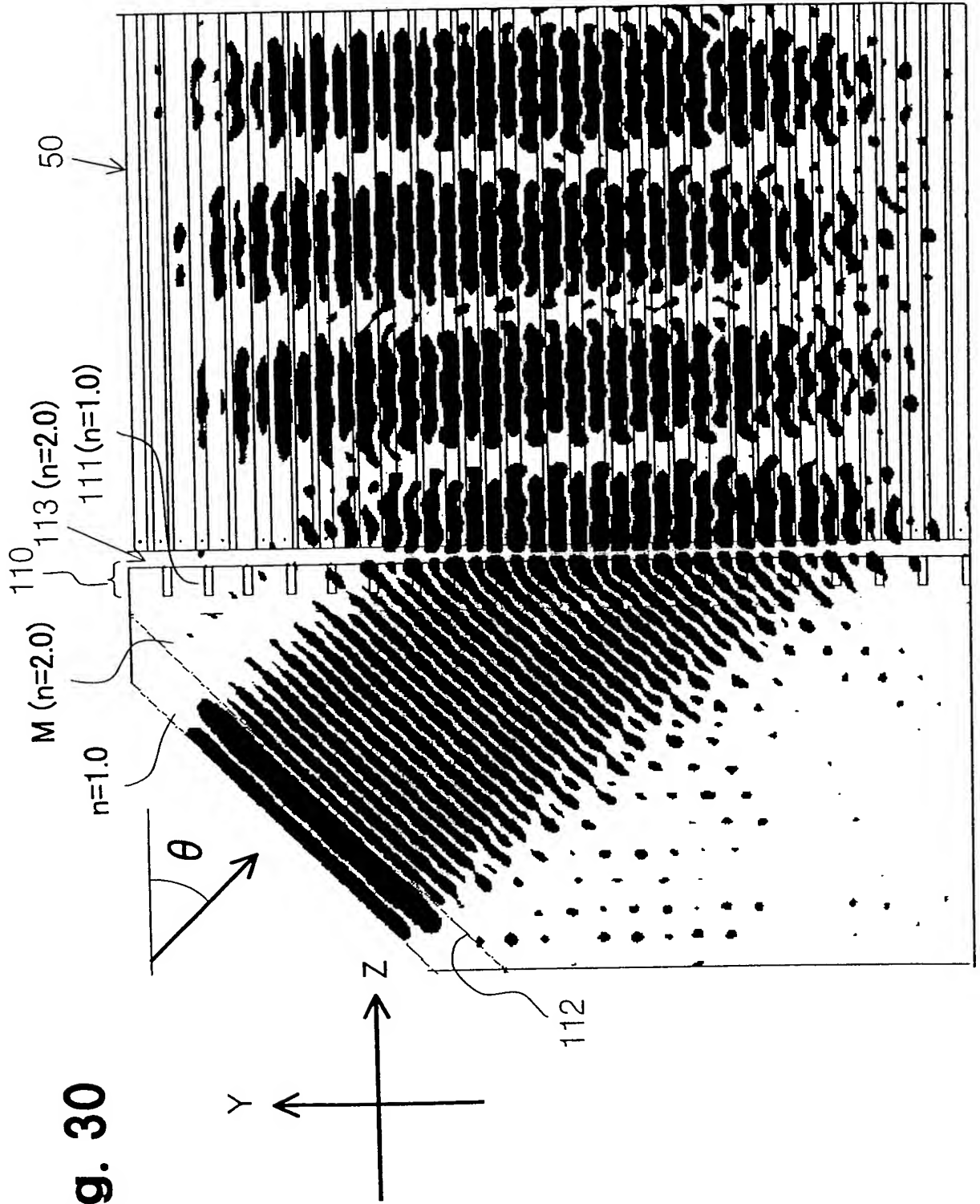


Fig. 30

Fig. 31A

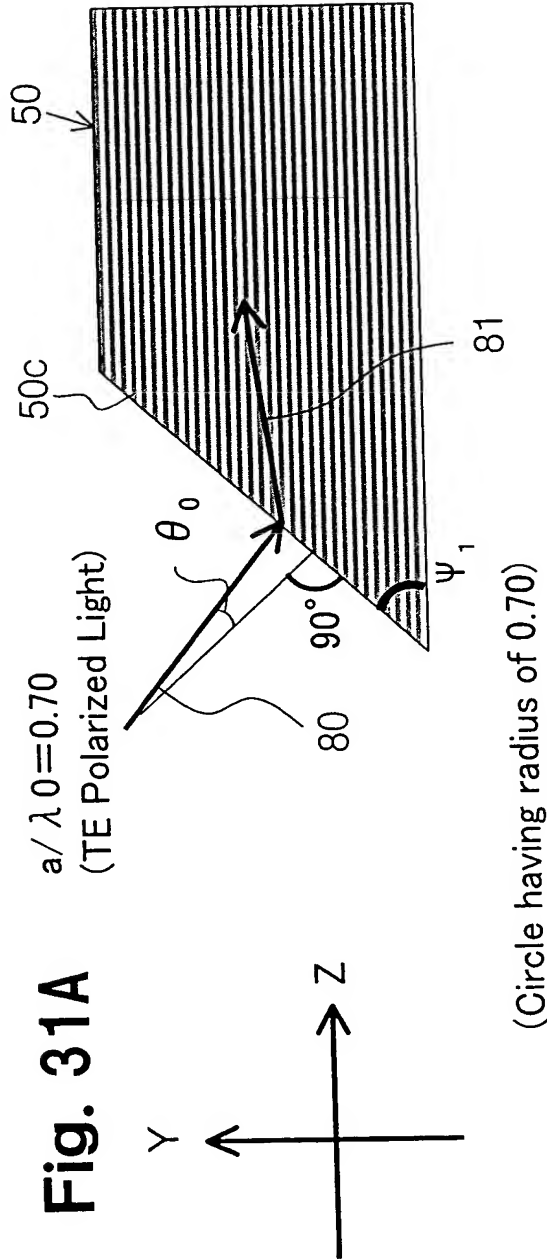


Fig. 31B

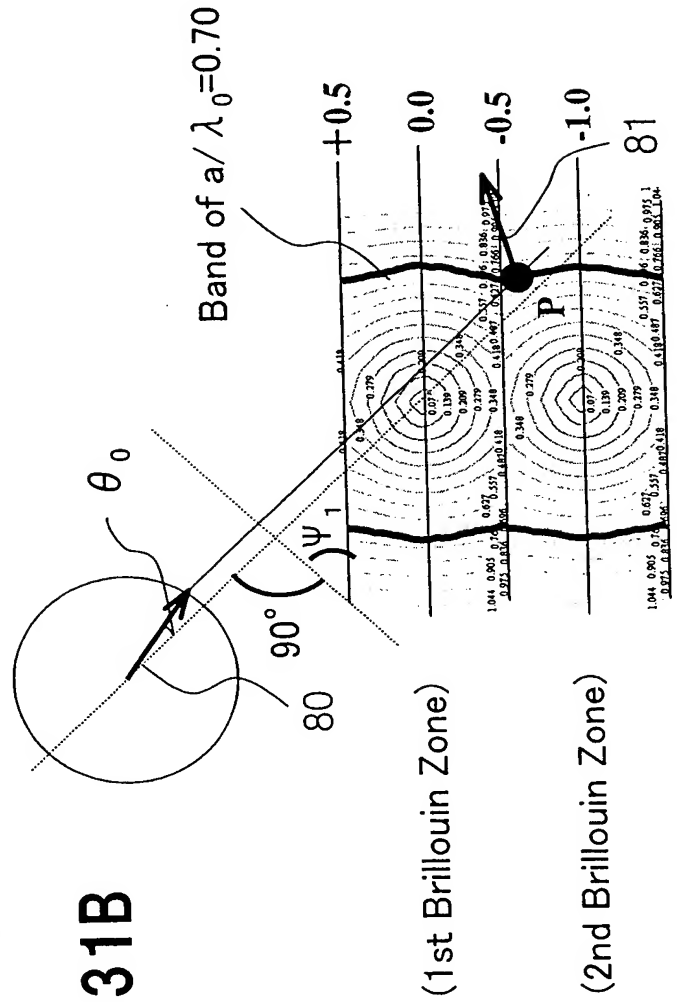


Fig.32

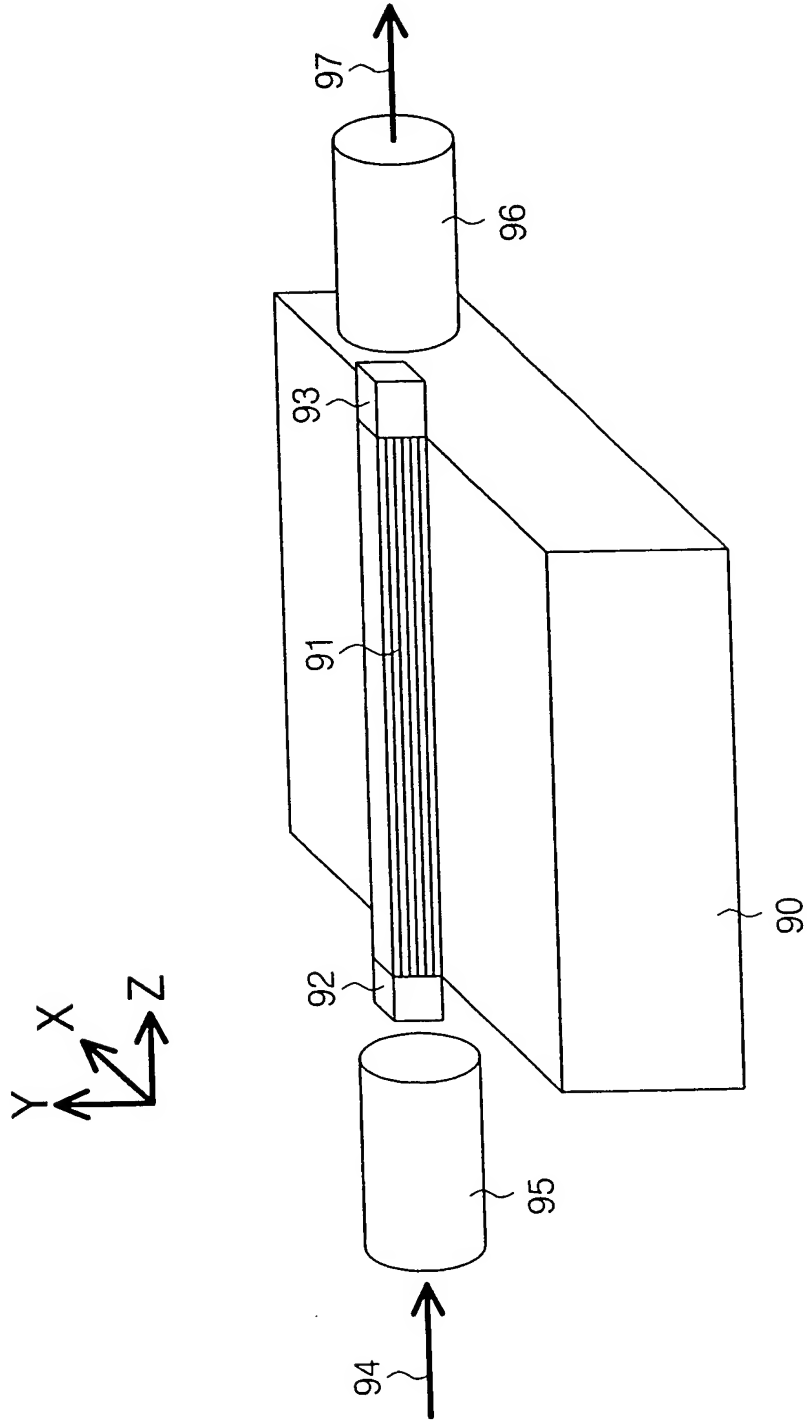


Fig. 33

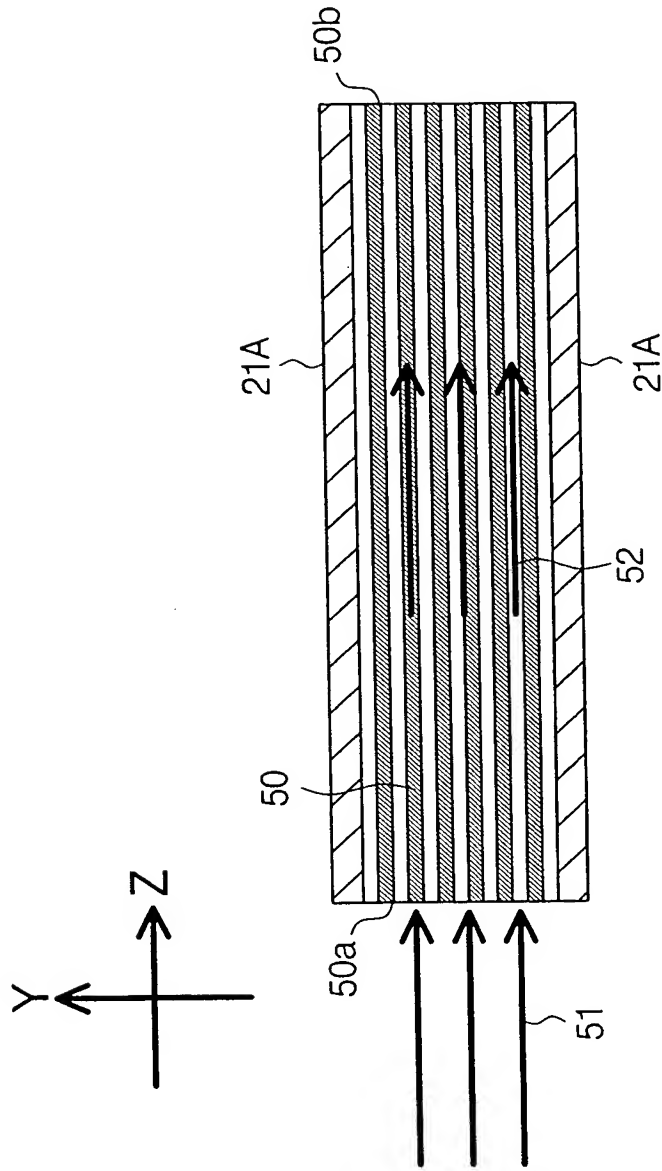


Fig.34

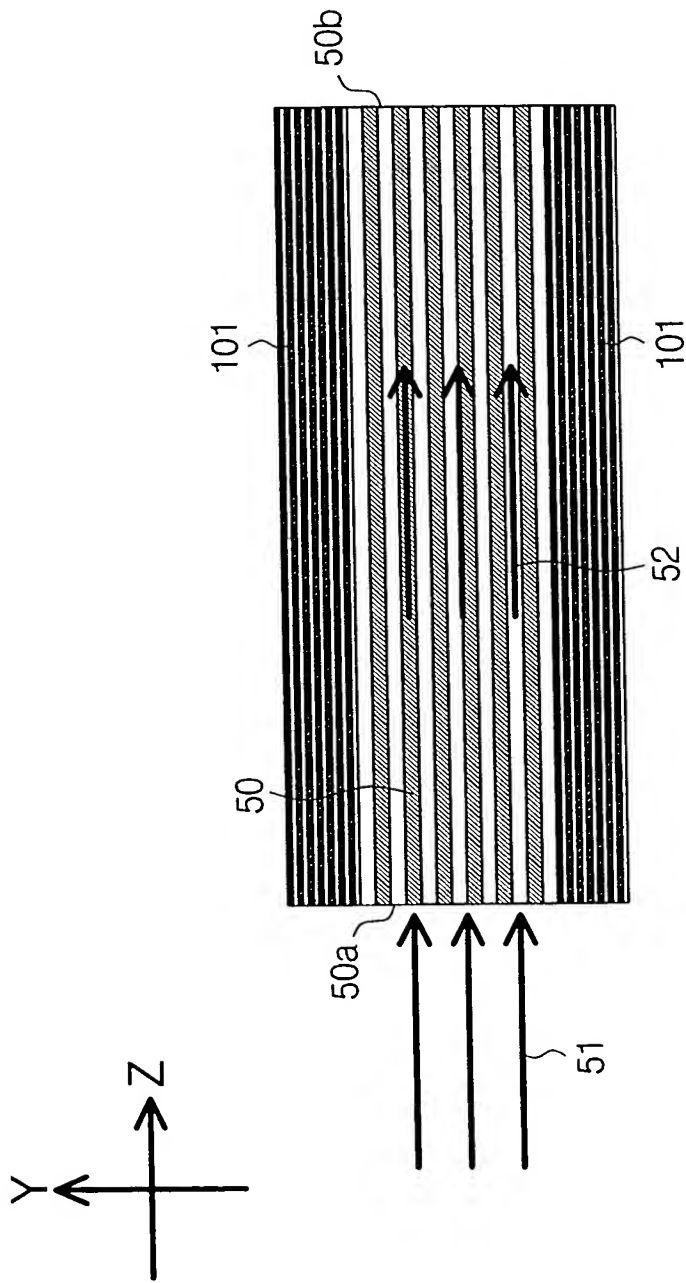


Fig. 35

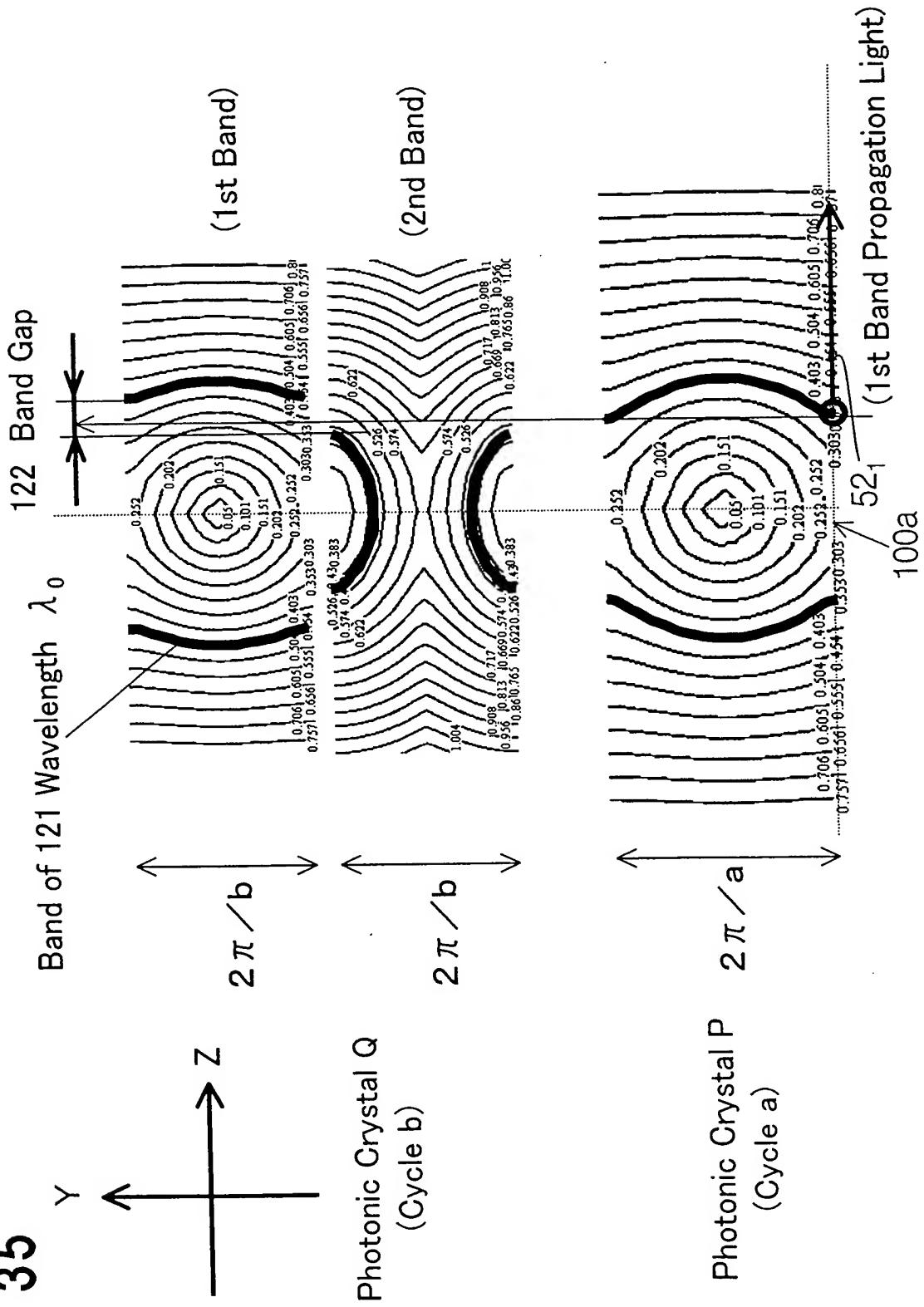


Fig.36

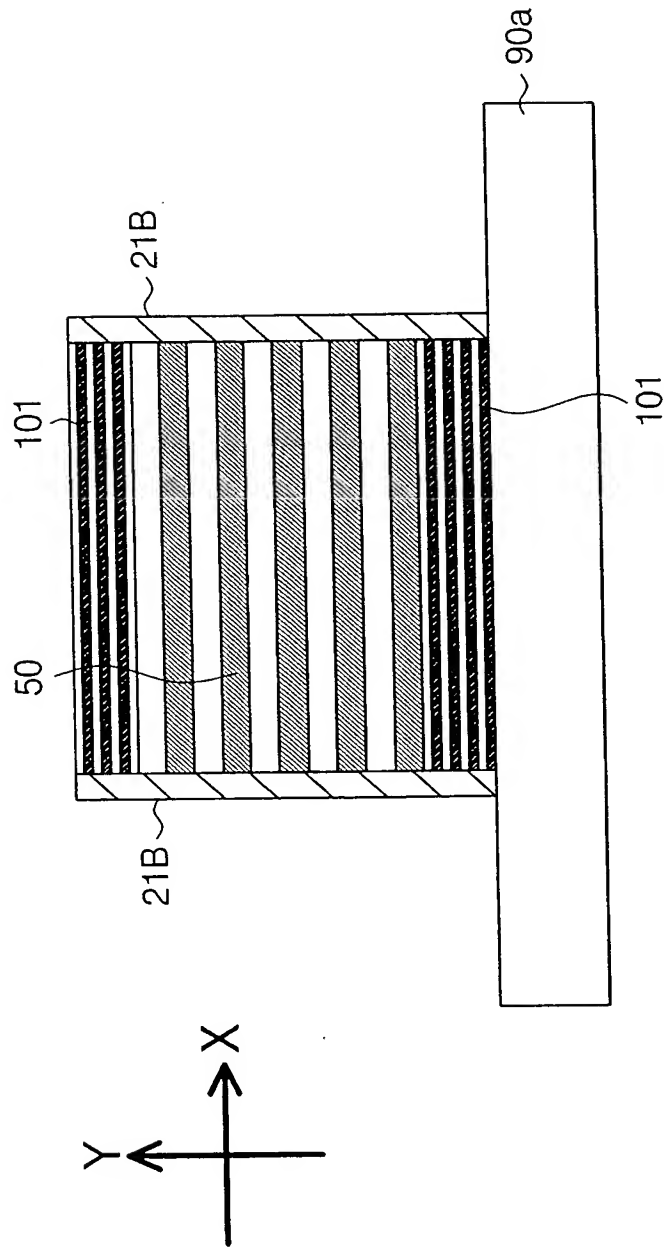


Fig.37

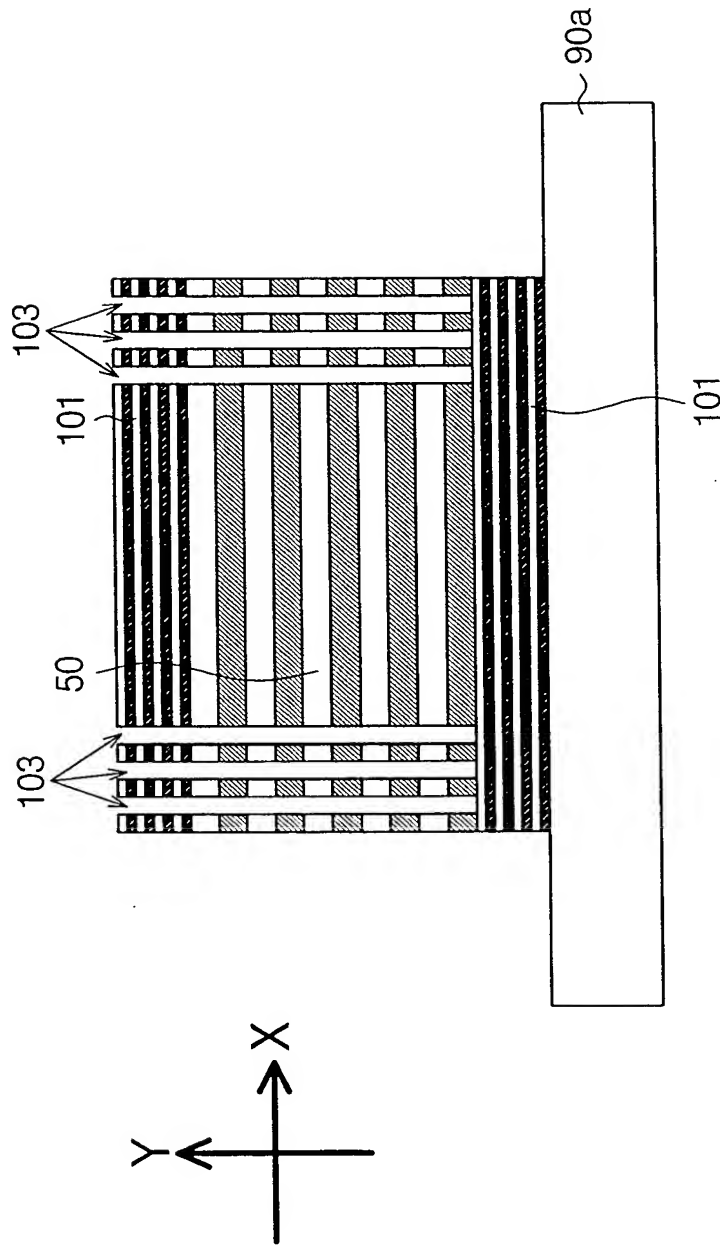


Fig.38

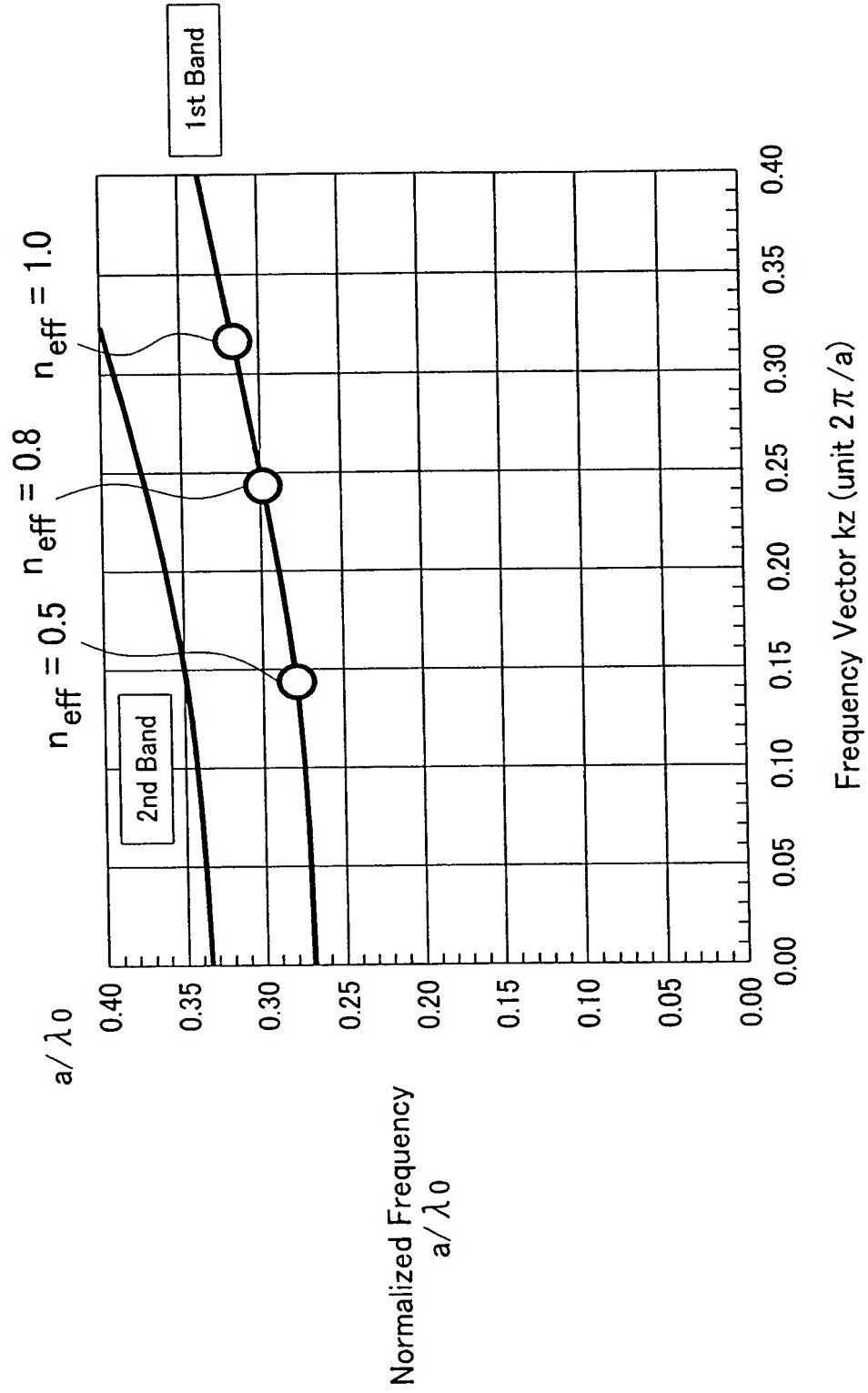


Fig.39

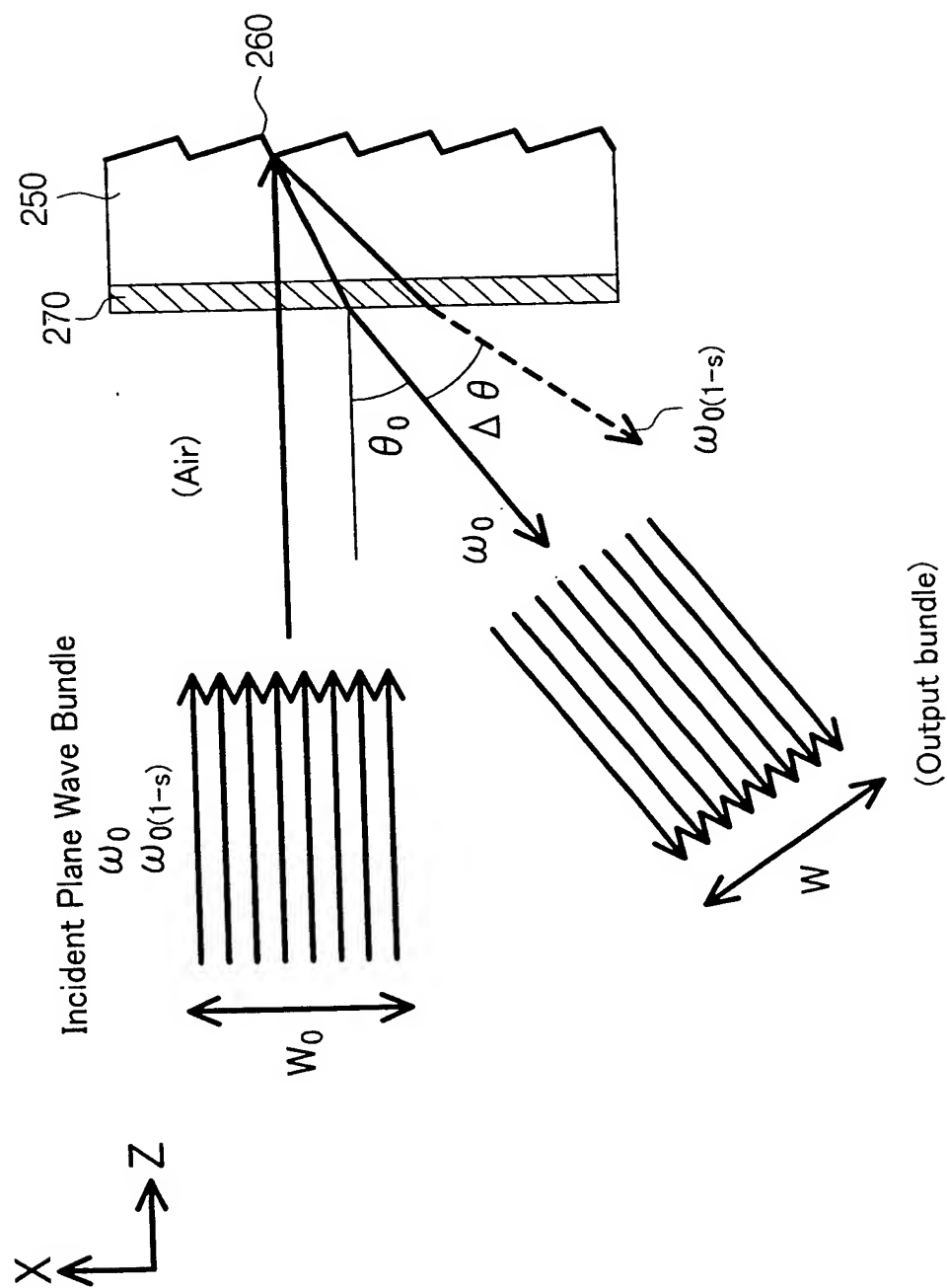


Fig.40

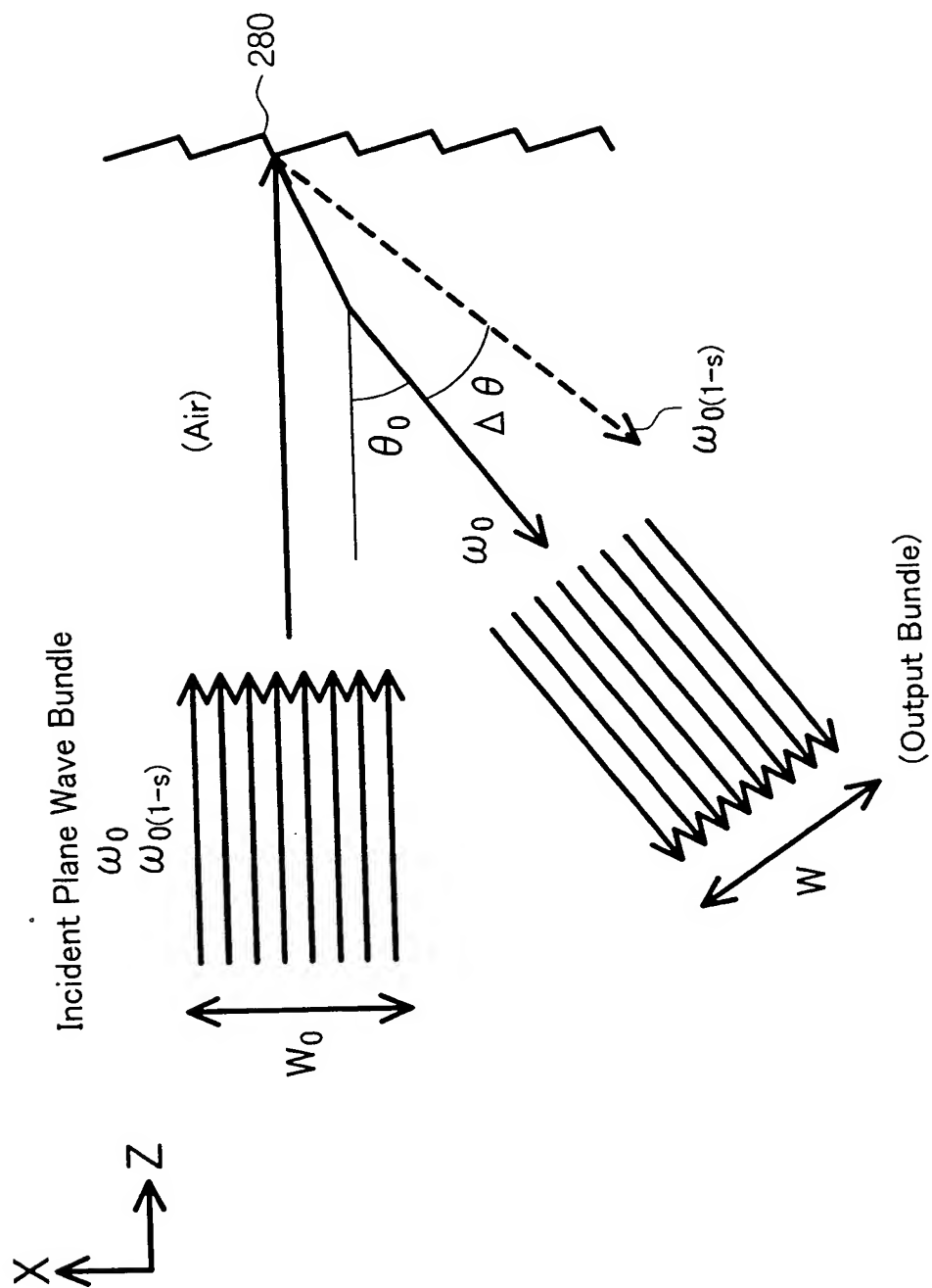


Fig.41

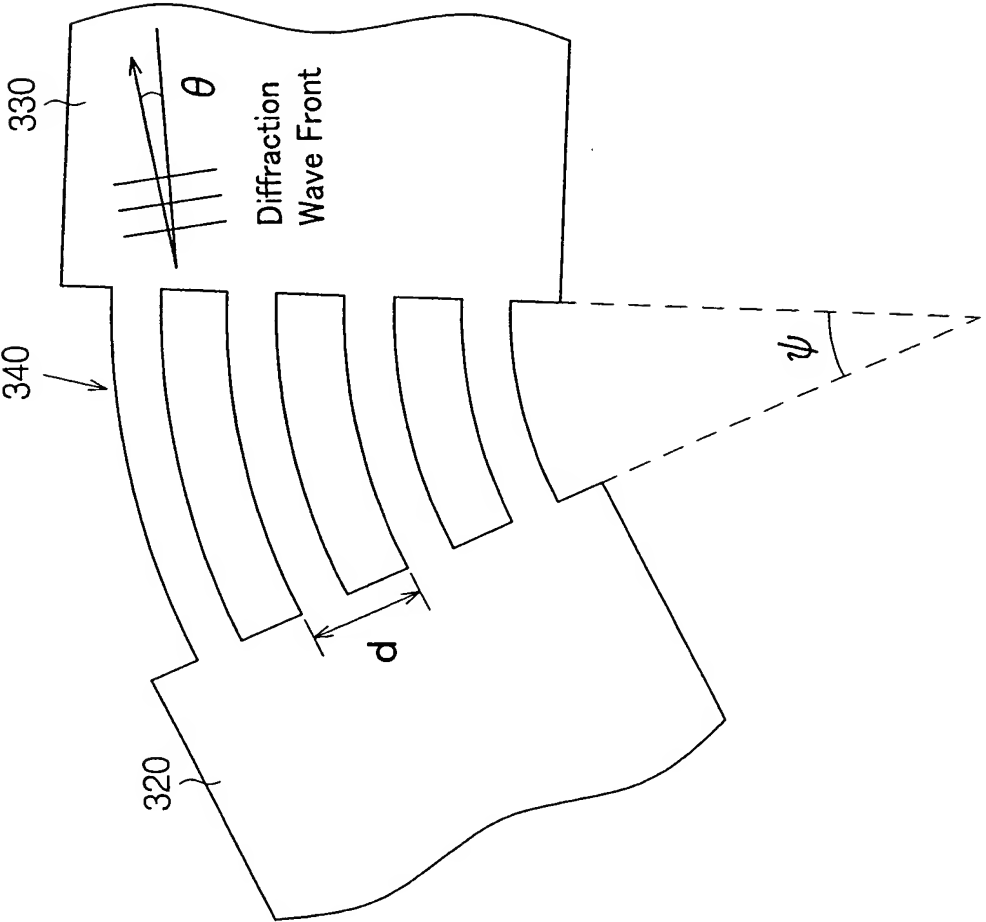


Fig.42A

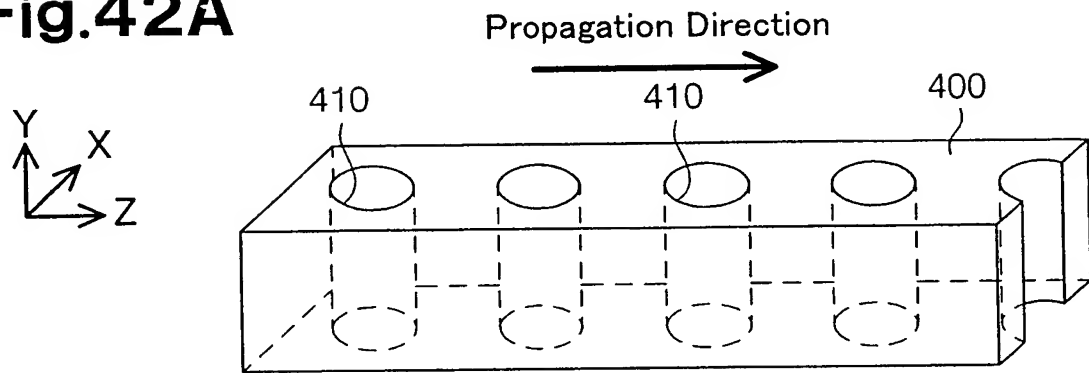


Fig.42B

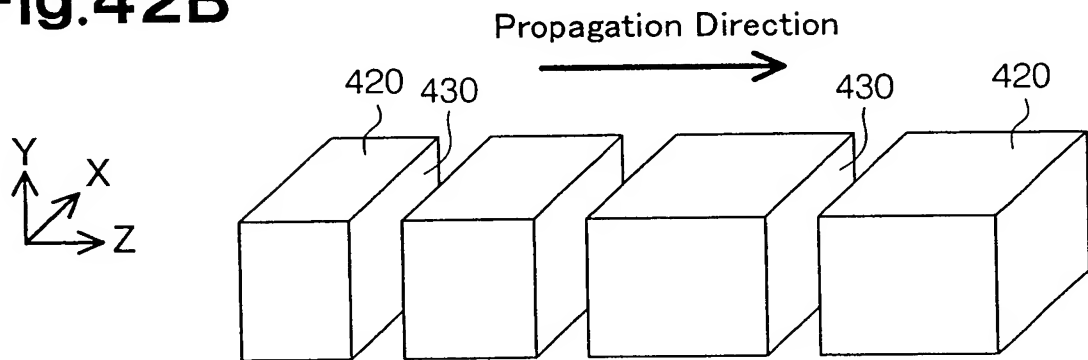


Fig.42C

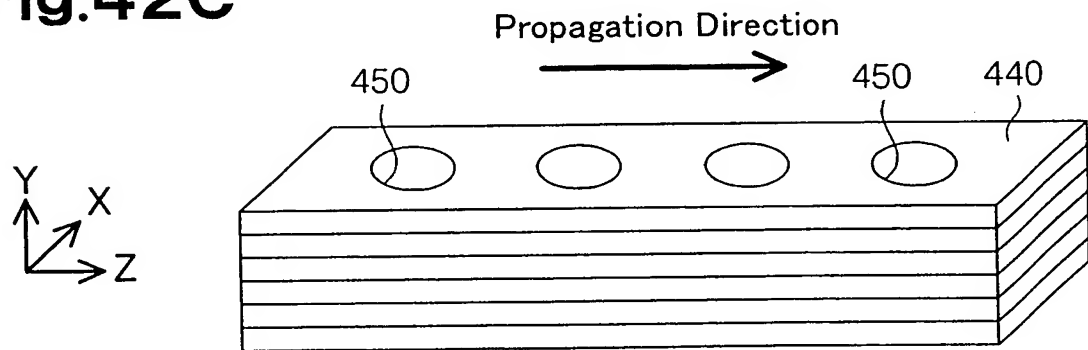


Fig.42D

